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CATALOGUE  
**ACCESSORIES  
FOR GLASSWORKS**

**Second Edition**

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UV Adhesives

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UV Lamps

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Tools

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## FINISHES



**/1**  
Chrome



**/2**  
Gold



**/3**  
Brushed nickel



**/4**  
Bronze



**/5**  
White



**/6**  
Matt black



**/7**  
Matt chrome



**/8**  
Brushed steel



**/9**  
Machining steel (CNC)



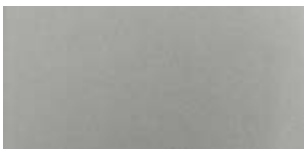
**/10**  
Raw aluminium



**/15**  
Polished steel



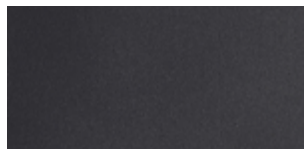
**/24**  
Brushed steel effect



**/45**  
Matt aluminium effect



**/56**  
Grey



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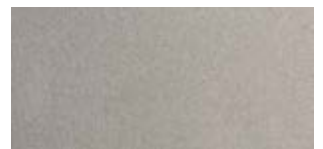
**/89**  
Galvanised iron



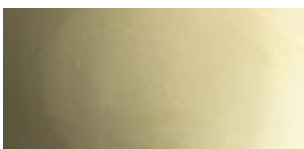
**/90**  
Machining aluminium



**/91**  
Polished aluminium



**/92**  
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**/93**  
Brass coated



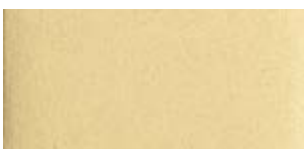
**/94**  
Brushed chrome



**/95**  
Nickel-coated



**/97**  
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**/R2**  
RAL9005 matt black



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RAL9016 matt traffic white



**/R13**  
RAL7016 matt anthracite grey



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**/RAL**  
RAL9010 polished white

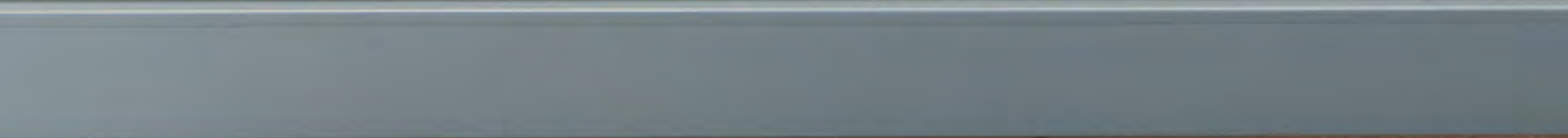
CATALOGUE  
**ACCESSORIES FOR GLASSWORKS**

# SINCE 1989

## **INNOVATION SERVING DESIGN FOR MORE THAN 35 YEARS**

Since 1989 we are committed to satisfying the needs of glassworks, installers, and designers, offering advanced solutions that guarantee the utmost comfort. Our mission is to provide high-tech, long-lasting, reliable, high-quality products designed to exceed the expectations of every customer.





# INNOVATION AND RESEARCH

## **OUR TECHNOLOGICAL APPROACH**

Thanks to our laboratory and a team of specialised engineers, we are able to design and develop custom solutions for glassworks, installers, and interior designers. Our highly qualified personnel provide constant customer support through technical consultation and training courses.

Active collaboration with universities and national and international research institutes such as TÜV, the Politecnico di Milano, CSTB (France), and LSL (Germany) guarantee access to specialized skill and equipment when verifying systems such as balustrades, canopies, doors, and glass partitions. This enables the highest quickness and efficiency in developing new products and supporting customers with ad hoc laboratory tests.





**AVIS**  
TECHNIQUE



**ABP**  
Allgemeines  
bauaufsichtliches  
Prüfzeugnis

**British  
Standard**  
6180:2011

**UNI** 11678:2017

**NTC** 2018

**NBN B 03-004**

ALUMINIUM ASSOCIATION  
★★★ EUROPEAN  
**EURAS**  
ASSOCIATION  
ANDISERS  
**WAA**

**Qualanod**



• TEST REPORT •  
Politecnico di Milano

**GINGER**  
CEBTP

**LUCIDEON**

Certificates and testing reports apply to selected products depending on the type and intended use.



A close-up photograph of a circular saw blade cutting through a metal beam. The blade is on the left, and the metal beam is on the right. The background is a bright, slightly blurred industrial setting.

# THE WAREHOUSE AND WORKSHOP

## **EFFICIENCY, WIDE PRODUCT RANGE, AND IMMEDIATE AVAILABILITY**

The unique features that makes the Logli brand stand out on the market include facility, personnel, product, and especially the service. With more than 7000 items in stock, we guarantee immediate availability not only of the simplest accessories, but also the most complex systems. Through important investments in four automated vertical warehouses and advanced logistics management, we guarantee order shipments in Italy within 24 hours and quick and prompt delivery.

# THE EXPERIENCE AND RESEARCH OF A WORLD LEADER

The 16th of March 2018 marks a crucial moment in our history: joining the prestigious Saint-Gobain Group, a multinational company with a history of over 360 years in design of solutions for sustainable construction. This important step is a clear recognition of the excellence achieved by the company in the field of technological glass solutions.

Future innovation may rely on synergy with other brands in the Group, giving rise to increasingly advanced technological solutions.

The culture of Saint-Gobain, which we have made our own, is based on a set of values expressed in the Behaviour and Conduct Principles: respect for people, law, environment, health, and workplace safety are some of the premises that guide the Group's action and its constant aspiration to become a leader in sustainable construction.



It designs, produces, and distributes materials for safety and comfort that are in all living spaces: Buildings, transport, infrastructure, and many industrial applications.



**80** countries

**100** One of the TOP 100 innovative companies in the world

**161,000** employees

**400** patents registered each year

**€46.6 billion** total turnover 2024

**€450 million** R&D investments last year

With 360 years behind it, the Group offers next-generation materials and integrated solutions to make 'living spaces' more comfortable and sustainable, contributing to the well-being of people and protecting the planet while situating itself as a global point of reference in the efficient use of natural resources with respect for the environment.



In Italy, Saint-Gobain is present in the fields of construction materials, transport and industry.

Approximately **2,100** employees

**€1,1 billion** turnover 2024

**42** sites



### CONSTRUCTION

Next-generation materials produced for 90% in our country, designed to create excellent living spaces and improve the quality of daily life through solutions created to build more energy-efficient buildings and reduce consumption and pollutant emissions.



### TRANSPORT

Production and worldwide distribution of glass for the automotive, aerospace, rail, naval sectors, and industrial vehicles.



### INDUSTRY

A wide range of solutions: abrasives and ceramic products for glass furnaces and steelworks, technical adhesive tapes that constitute a unique high-performance range, and chemical or special construction products.



# SUSTAINABILITY FOR SAINT-GOBAIN: A GROUP STRATEGY

In 2020, the Saint-Gobain Group declared its corporate purpose: *'Making the world a better home'*. Its ambition is to improve the life of everyone, making the planet a more equitable and sustainable place to live, which is also open and inclusive. Together with and for our customers, **we design materials and solutions that guarantee well-being, living comfort, and safety, while taking care to protect the planet.**

Our corporate purpose is a call to action, a strategy aimed at the future that encourages innovation while respecting the union between humanity and nature.

Saint-Gobain **aims to be recognized as a world leader in sustainable building**, improving the daily life of all those using its products. **This commitment not only regards our operations and processes, but also marketing solutions that actively contribute to reaching the decarbonisation objectives of the sector.**

Being a leader means promoting a systemic transformation, embracing values, commitments, and actions that guide the change, becoming a point of reference for all stakeholders.

The geographical organization of the Group can offer custom solutions for the specific needs of local markets in terms of construction methods or styles, building systems, and different climate characteristics, both in renovation of existing buildings and in new construction.

**MAKING  
THE WORLD  
A BETTER  
HOME**

## BETTER FOR THE PEOPLE, BETTER FOR THE PLANET

Like Saint-Gobain, we embrace our social and environmental responsibility as an opportunity to create value together with our stakeholders. In fact, by creating mutual trusting relationships, we believe we can increase awareness about issues of sustainability and create virtuous cycles for the long-term business path.



### BETTER FOR THE PEOPLE

For employees, collaborators, suppliers, and partners, this means expanding the 'company culture' through solid governance, **attention for health and safety, constant training, and the creation of an inclusive working environment.**

For local communities, we are dedicated to supporting **solidarity initiatives through the Saint-Gobain Foundation** and we support young talent by promoting the **Architecture Student Contest**, an annual competition dedicated to students of architecture and construction engineering around the world.



### BETTER FOR THE PLANET

More than other sector, construction can influence the future of the planet, so **buildings and sustainability represent an unavoidable combination.**

Our production impacts the environment in terms of emissions, energy consumption, water use, and natural resources. The value of the Group consists of **products and sustainable and efficient production methods, designed to minimise environmental impacts** in manufacturing processes and engineered to **maximise performance** during the entire life cycle of the buildings, contributing significantly to the objectives of decarbonisation and circularity in the industry. Saint-Gobain Italia is ISO 14001:2015 and ISO 9001:2015 certified.

# OUR COMMITMENT TO THE ENVIRONMENT

Contributions that our materials may bring to different sustainability certifications.



**Reducing energy consumption and pollutant emission** is one of the main objectives of Saint-Gobain, which develops, produces, and distributes innovative solutions to create more energy-efficient buildings. The development of a **passive envelope**, which contributes to energy retention, is the most economically sustainable solution for making buildings more efficient.



**Many of our products contain recycled materials.** We are constantly dedicated to increasing recycled content, contributing to reducing the consumption of raw materials and environmental impacts tied to their life cycle.



**The Saint-Gobain Group has developed different projects** that aim to **enhance waste**, decrease energy consumption, and use less raw material.



**The Life Cycle Assessment (LCA) is very important.** This study assesses the material and energy flows associated with the different stages in the life of a product (extraction of raw materials, production, use, final disposal). The goal of the assessment is to analyse the impacts associated with the different phases in the life of the product in order to optimise production processes with respect to environmental sustainability.



**Closely connected to the Life Cycle Assessment is EPD®** (Environmental Product Declaration) Certification. The purpose of this is to convey environmental information deriving from the LCA in a format and based on predefined common rules, the PCR (Product Category Rules). Many products manufactured by the Saint-Gobain Group carry this certification.



**The extensive presence of Saint-Gobain in Italy**, with production units and logistics centres around the country, limits road transport and thus pollution, favouring the **spread of local materials.**



*In promoting a responsible and conscious environmental attitude, Saint-Gobain has decided to become a member of the GBC Italia association.*

## STANDARDS OF ENVIRONMENTAL SUSTAINABILITY



The **LEED V4.1** standard, which supports the existing LEED v4 standard, is based on a system of prerequisites and credits for design, construction, and management of buildings and sustainable areas.



The **BREEAM** (Building Research Establishment Environmental Assessment Method) system is based on verifying design, construction, and use of the building.



The purpose of the **WELL** protocol is to integrate aspects connected to personal health and well-being in building project design and construction.



With the enactment of the new Contract Code in Italy, **CAM** were updated with Italian Ministerial Decree 23 June 2022 on the assignment of design services and work on new constructions, restorations, and maintenance of public buildings.





# UPDATED COLLECTION 2026

**6** VOLUMES

**1770** PAGES

The series consisting of 6 volumes that covers the entire range of glass solutions designed by Logli. The collection is designed to provide a complete, detailed overview of all the articles offered by Logli.

Each volume deals extensively with a specific product series, offering technical information combined with practical applications.

It is the ideal compendium for those looking for high-quality glass solutions.

All volumes are  
available for download by  
scanning the QR code.



# All **Logli solutions** in a **single** place.

Volume 1  
**BALUSTRADES**

Volume 2  
**OUTDOORS**

Volume 3  
**INDOORS**

Volume 4 Updated  
**SHOWERS**

Volume 5 Updated  
**ARRANGEMENT**

Volume 6 Updated  
**ACCESSORIES FOR GLASSWORKS**





# ACCESSORIES FOR GLASSWORKS





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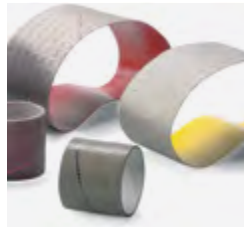
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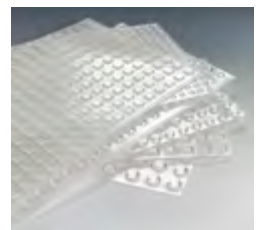
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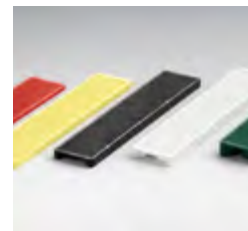
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# UV BONDING









ADHESIVES FEATURES

TYPE OF ADHESIVE	FIXGLASS UV 627	FIXGLASS UV 635	FIXGLASS UV 10	FIXGLASS UV 630	FIXGLASS UV 621	FIXGLASS UV 629
Catalysis	UV LAMP 	Visible light 	Visible light 	UV LAMP 	Visible light 	UV LAMP 
Catalysis with FXATT activator				●		●
Float glass	●	●	●	●	●	●
Tempered glass						●
Laminate glass		●	●		●	
Metal / Stainless steel				●	●	
Metal / Aluminium						●
Plastic*						
Porous materials*						
Applications that rely on capillary action	●	●	●		●	
Vertical applications (does not drip)						
Open glass constructions	●	●	●	●	●	
Closed glass constructions			●			●
Suitable for high-humidity environments						●
Type of resin	Urethane Acrylate	Urethane Acrylate	Urethane Acrylate	Acrylate	Acrylate	Acrylate
Colour	Transparent	Transparent	Transparent	Translucent	Translucent	Transparent
Viscosity [mPa.s]	Liquid 20–100	Liquid 20–100	Liquid 40–90	Medium 800–1200	Medium 550–1000	Dense 700–1400
Consistency	Rigid	Rigid	Rigid	Very Rigid	Very Rigid	Semi Rigid
Pre-fixing time [s]	5	5	5	5	5	5
Min. hardening time [s]	50	30	30	50	15	50

(\*) Given the large variety of plastic materials, a test is recommended before proceeding with the final application.

(\*) Carefully assess the porosity before proceeding with the final application.



FIXGLASS UV 973	FIXGLASS UV 973 GEL
Visible light 	Visible light 
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
●	●
Urethane Acrylate	Urethane Acrylate
Transparent	Transparent
Thick 1000–1500	Very thick THIXOTROPIC
Elastic	Elastic
10	3
60	15





**FIXGLASS UV 627**

Main materials to glue:  
Glass with: FLOAT GLASS

**UV LAMP**

Main applications:  
Applications that exploit capillarity.  
Open glass constructions.  
Description:  
Low-viscosity, transparent UV adhesive.  
Applied by capillarity it also enables dosing from the exterior when the glass panes are already in place.

Technical data:  
Colour: transparent  
Resin: urethane acrylate  
Viscosity (Brookfield LVT/25°C) [mPa.s]: 20–100 (liquid)  
Consistency: rigid  
Flash point [°C]: > 93  
Density [g/cm³]: about 1.12  
Index of refraction [ND20]: 1.501  
UV (UV-A 60 mW/cm² Thickness 0.05 mm) [s]: 15  
Final performance [h]: After 12 hours  
Max. catalysing thickness [mm]: 3  
Fillable thickness [mm]: 0.04–0.1  
Temperature resistance [°C]: -40–125  
Hardness [Shore D]: 70–80  
Elongation [%]: 2.3  
Water absorption [mass-%]: < 2.8  
Tg [°C] (DSC): 45–60  
CTE [ppm/K]: 62  
Dielectric constant [10 kHz]: 6.2  
Thermal conductivity [W/m·K]: 0.22  
Dielectric strength [kV/mm]: 20.4  
Shear/compression strength (glass/glass) [N/mm²]: about 16.0  
Shear/compression strength (glass/stainless steel) [N/mm²]: about 15.0  
Shear/compression strength (glass/aluminium) [N/mm²]: about 16.0  
Shear strength (glass/glass) [N/mm²]: about 9.0  
Shear strength (glass/steel) [N/mm²]: about 11.5  
Shear strength (glass/aluminium) [N/mm²]: about 10.7  
Elongation at break [%]: about 13.0  
Modulus E [N/mm²]: 420

Art.	Package	Qty
<b>FX627.100</b>	<b>100 g</b>	<b>1 Pc</b>
<b>FX627.250</b>	<b>250 g</b>	<b>1 Pc</b>



**FIXGLASS UV 635**

Main materials to glue:  
Glass with: FLOAT/LAMINATE GLASS

**VISIBLE LIGHT**

Main applications:  
Applications that exploit capillarity.  
Open glass constructions.  
Description:  
Low-viscosity, transparent UV adhesive.  
Applied by capillarity it also enables dosing from the exterior when the panes are already in place.

Technical data:  
Colour: transparent  
Resin: urethane acrylate  
Viscosity (Brookfield LVT/25°C) [mPa.s]: 20–100 (liquid)  
Consistency: rigid  
Flash point [°C]: > 93  
Density [g/cm³]: about 1.12  
UV (UV-A 60 mW/cm² Thickness 1 mm) [s]: 15  
Visible light (20-Watt lamp/3 cm distance) [s]: 30  
Final performance [h]: After 12 hours  
Heat catalysis 120°C [min]: 40  
Max. catalysing thickness [mm]: 5  
Fillable thickness [mm]: 0.04–0.1  
Temperature resistance [°C]: -40–125  
Hardness [Shore D]: 70–80  
Elongation [%]: 2.3  
Water absorption [mass-%]: < 2.8  
Tg [°C] (DSC): > 45  
CTE [ppm/K]: 62  
Dielectric constant [10 kHz]: 6.2  
Thermal conductivity [W/m·K]: 0.22  
Dielectric strength [kV/mm]: 20.4  
Shear/compression strength (glass/glass) [N/mm²]: about 16.0  
Shear/compression strength (glass/stainless steel) [N/mm²]: about 15.0  
Shear/compression strength (glass/aluminium) [N/mm²]: about 16.0  
Shear strength (glass/glass) [N/mm²]: about 9.0  
Shear strength (glass/steel) [N/mm²]: about 11.5  
Shear strength (glass/aluminium) [N/mm²]: about 10.7  
Elongation at break [%]: about 13.0  
Modulus E [N/mm²]: 420

Art.	Package	Qty
<b>FX635.100</b>	<b>100 g</b>	<b>1 Pc</b>
<b>FX635.250</b>	<b>250 g</b>	<b>1 Pc</b>

**FIXGLASS UV 10**

Main materials to glue:

Glass with: FLOAT/LAMINATE GLASS

**VISIBLE LIGHT** 

Main applications:

Applications that exploit capillarity.

Open/closed glass constructions.

Description:

Low-viscosity, transparent UV adhesive.

Applied by capillarity it also enables dosing from the exterior when the panes are already in place.

HIGH HUMIDITY RESISTANCE

Technical data:

Colour: transparent

Resin: urethane acrylate

Viscosity (Brookfield LVT/25°C) [mPa.s]: 40–90 (liquid)

Consistency: rigid

Flash point [°C]: &gt; 90

Density [g/cm<sup>3</sup>]: about 1.15

Index of refraction [ND20]: 1.4714

UV (UV-A 60 mW/cm<sup>2</sup> Thickness 0.05 mm) [s]: 15

Visible light (20-Watt lamp/3 cm distance) [s]: 30

Final performance [h]: After 12 hours

Max. catalysing thickness [mm]: 3

Fillable thickness [mm]: 0.04–0.1

Temperature resistance [°C]: -40–140

Hardness [Shore D]: 75–85

Elongation [%]: 2.4

Water absorption [mass-%]: &lt; 1.0

CTE [ppm/K]: 95

Shear/compression strength (glass/glass) [N/mm<sup>2</sup>]: about 14.0Shear/compression strength (glass/stainless steel) [N/mm<sup>2</sup>]: about 12.0Shear/compression strength (glass/aluminium) [N/mm<sup>2</sup>]: about 11.0

Art.	Package	Qty
<b>FX10.100</b>	100 g	1 Pc
<b>FX10.250</b>	250 g	1 Pc

**FIXGLASS UV 630**

Main materials to glue:

Glass with: METAL/STAINLESS STEEL/  
FLOAT GLASS**UV LAMP** 

Main applications:

Solutions subject to both static and dynamic loads.

Open glass constructions.

Description:

Medium viscosity, translucent UV adhesive.

Thank to its high mechanical strength, it is ideal for bonding glass/stainless steel subject to significant loads.

Activator Art. FXATT

Technical data:

Colour: translucent

Resin: acrylate

Viscosity (Brookfield LVT/25°C) [mPa.s]: 800–1200 (medium)

Consistency: very rigid

Flash point [°C]: &gt;95

Density [g/cm<sup>3</sup>]: about 1.12UV (UV-A 60 mW/cm<sup>2</sup> Thickness 1 mm) [s]: 15

Final performance [h]: After 12 hours

Heat catalysis 120°C [min]: 40

Catalysis with activator [min]: 25

Max. catalysing thickness [mm]: 3

Fillable thickness [mm]: 0.09–0.5

Temperature resistance [°C]: -40–150

Hardness [Shore D]: 70–80

Elongation [%]: 3.3

Water absorption [mass-%]: &lt; 2.8

Tg [°C] (DSC): 40–60

CTE [ppm/K]: 62

Dielectric constant [10 kHz]: 6.2

Thermal conductivity [W/m-K]: 0.22

Dielectric strength [kV/mm]: 18.7

Shear/compression strength (glass/glass) [N/mm<sup>2</sup>]: about 12Shear/compression strength (glass/stainless steel) [N/mm<sup>2</sup>]: about 18Shear/compression strength (glass/aluminium) [N/mm<sup>2</sup>]: about 8Shear strength (glass/aluminium) [N/mm<sup>2</sup>]: > 15Shear strength (glass/steel) [N/mm<sup>2</sup>]: > 14

Elongation at break [%]: about 8

Modulus E [N/mm<sup>2</sup>]: 420

Art.	Package	Qty
<b>FX630.100</b>	100 g	1 Pc
<b>FX630.250</b>	250 g	1 Pc

**FIXGLASS UV 621**

Main materials to glue:

Laminate glass with: FLOAT GLASS  
LAMINATE/METAL/STAINLESS STEEL**VISIBLE LIGHT** 

Main applications:

Solutions subject to both static and dynamic loads. Open glass constructions.

Description:

Medium viscosity, translucent UV adhesive.

Ideal for bonding metal and laminate glass.

Technical data:

Colour: translucent

Resin: acrylate

Viscosity (Brookfield LVT/25°C) [mPa.s]: 550–1000 (medium)

Consistency: very rigid

Flash point [°C]: &gt;95

Density [g/cm<sup>3</sup>]: about 1.12UV (UV-A 60 mW/cm<sup>2</sup> Thickness 1 mm) [s]: 15

Visible light (400–500 nm) [s]: 15

Heat catalysis 120°C [min]: 40

Final performance [h]: After 12 hours

Max. catalysing thickness [mm]: 5

Fillable thickness [mm]: 0.07–0.4

Temperature resistance [°C]: -40–150

Hardness [Shore D]: 70–80

Elongation [%]: 3.3

Water absorption [mass-%]: &lt; 2.8

Tg [°C] (DSC): 40–60

CTE [ppm/K]: 62

Dielectric constant [10 kHz]: 6.2

Thermal conductivity [W/m-K]: 0.22

Dielectric strength [kV/mm]: 18.7

Shear/compression strength (glass/glass) [N/mm<sup>2</sup>]: about 12Shear/compression strength (glass/stainless steel) [N/mm<sup>2</sup>]: about 18Shear/compression strength (glass/aluminium) [N/mm<sup>2</sup>]: about 8Shear strength (glass/aluminium) [N/mm<sup>2</sup>]: > 15Shear strength (glass/steel) [N/mm<sup>2</sup>]: > 14

Elongation at break [%]: about 8

Modulus E [N/mm<sup>2</sup>]: 420

Art.	Package	Qty
<b>FX621.100</b>	100 g	1 Pc
<b>FX621.250</b>	250 g	1 Pc



**FIXGLASS UV 629**

Main materials to glue:  
Glass with: FLOAT/TEMPERED GLASS/  
METAL/ALUMINIUM

**UV LAMP** 

Main applications:  
Also suitable for very humid  
environments. Closed glass constructions.  
Description:  
High-viscosity, transparent UV adhesive.

**HIGH HUMIDITY RESISTANCE**

**Activator Art. FXATT**

Technical data:  
Colour: transparent  
Resin: acrylate  
Viscosity (Brookfield LVT/25°C) [mPa.s]: 700–1400 (dense)  
Consistency: semi-rigid  
Flash point [°C]: > 100  
Density [g/cm³]: about 1.15  
Index of refraction [ND20]: 1.499  
UV (UV-A 40 mW/cm²) [s]: 25  
Heat catalysis 120°C [min]: 15  
Final performance [h]: After 12 hours  
Catalysis with activator [min]: 1  
Fillable thickness [mm]: 0.06–0.3  
Temperature resistance [°C]: -25–120  
Hardness [Shore D]: 60–70  
Elongation [%]: 0.32  
Water absorption [mass-%]: <1.5  
Shear/compression strength (glass/glass) [N/mm²]: about 14.5  
Shear/compression strength (glass/stainless steel) [N/mm²]: about 17.7  
Shear/compression strength (glass/aluminium) [N/mm²]: about 12.6  
Elongation at break [%]: about 7.1

Art.	Package	Qty
<b>FX629.100</b>	<b>100 g</b>	<b>1 Pc</b>
<b>FX629.250</b>	<b>250 g</b>	<b>1 Pc</b>



**FIXGLASS UV 973**

Main materials to glue:  
Glass with: FLOAT/TEMPERED/LAMINATE  
GLASS/METAL/ALUMINIUM/  
PLASTIC  
Porous materials

**VISIBLE LIGHT** 

Main applications:  
Solutions subject to impacts and vibrations,  
even in very humid environments.  
Closed glass constructions.  
Description: High-viscosity, transparent UV  
adhesive. Elastic adhesive indicated for solutions  
subject to impacts and vibrations.  
**HIGH HUMIDITY RESISTANCE**

Technical data:  
Colour: transparent  
Resin: urethane acrylate  
Viscosity (Brookfield LVT/25°C) (dense) [mPa.s]: 1000–1500  
Consistency: elastic  
Flash point [°C]: > 93  
Density [g/cm³]: about 1.1  
Index of refraction [ND20]: 1.4718  
UV (UV-A 60 mW/cm²) [s]: 10  
Visible light (9 W Röhre) [s]: 60  
Final performance [h]: After 12 hours  
Max. catalysing thickness [mm]: 5  
Fillable thickness [mm]: 0.09–0.5  
Temperature resistance [°C]: -50–150  
Hardness [Shore A]: 70–80  
Elongation [%]: 4.3  
Water absorption [mass-%]: < 0.8  
Tg [°C] (DSC): > -45  
Shear/compression strength (PC/PC) [N/mm²]: about 2.1  
Shear/compression strength (PC/PMMA) [N/mm²]: about 2.5  
Shear/compression strength (PC/FR4) [N/mm²]: about 2.4  
Shear strength (glass/glass) [N/mm²]: about 5.7  
Shear strength (glass/aluminium) [N/mm²]: about 3.4  
Shear strength (glass/steel) [N/mm²]: about 2.6  
Elongation at break [%]: about 204  
Modulus E [N/mm²]: 1.4

Art.	Package	Qty
<b>FX973.100</b>	<b>100 g</b>	<b>1 Pc</b>
<b>FX973.250</b>	<b>250 g</b>	<b>1 Pc</b>

**FIXGLASS 973 UV GEL**

Main materials to glue, glass with: METAL/ALUMINIUM  
FLOAT/TEMPERED/LAMINATE GLASS/PLASTIC/POROUS MATERIALS  
Main applications: Also suitable for very humid environments.  
Vertical applications DOES NOT DRIP. Open/closed glass constructions.  
Description: Thixotropic, transparent UV adhesive. Thanks to its elasticity on the Shore A  
hardness scale, it is ideal for bonding glass/glass, glass/metal subject to vibrations  
or impacts, even vertically. **HIGH HUMIDITY RESISTANCE**

Technical data:  
Colour: transparent  
Resin: Urethane acrylate  
Viscosity: thixotropic (very dense)  
Consistency: elastic  
Flash point [°C]: > 93  
Density [g/cm³]: about 1.1  
UV (UV-A 60 mW/cm²): 5 sec.  
Max. catalysing thickness [mm]: 5  
Visible light (400–480 nm) [s]: 10  
Fillable thickness [mm]: 0.09–0.5  
Final performance [h]: After 12 hours  
Temperature resistance [°C]: -50–150  
Hardness [Shore A]: 60–70  
Retraction [Vol-%]: 4.3  
Water absorption [mass-%]: < 0.8  
Shear/compression strength (glass/glass) [N/mm²]: about 6.9



**VISIBLE LIGHT** 

Art.	Description	Qty
<b>FX973GEL.30</b>	FIXGLASS UV 973 GEL adhesive 30 gr	<b>1 Pc</b>
<b>FXGEL03</b>	Disposable plastic nozzle – 5 pc pack	<b>1 Pc</b>



**ACTIVATOR FOR UV ADHESIVES**

When it is difficult or impossible to activate the adhesive with the lamp, proceed with catalysis of adhesives FX629 and FX630.

Main applications:

For coloured, painted, or laminate glass, bonding counterpoised pieces such as handles.

How to use: Apply on the glass using the brush provided before bonding. The adhesive will be applied on the metal part. Attach the pieces and hold them in place for the required time.

In some cases, the activator may make the glue turn a slightly yellow colour.

**Activator for FIXGLASS UV 629 and 630 adhesives**



Art.	Package	Qty
<b>FXATT</b>	30 ml	1 Pc



**MEASURING NEEDLES**

Needles for precise, controlled dosing.

Apply with the adaptor directly to the bottle.

Various diameters depending on the viscosity of the adhesive.

Dispose of the needle after use. Any residue, even partially catalysed, may cause problems with bonding.

Art.	Description	Colour	For adhesive	Qty
<b>FXGH</b>	Mixed doser needles with adaptor for bottles – 5 pc pack			1 Pc
<b>FXGH33</b>	Measuring needle $\varnothing 0.33$ mm	Orange	<b>FX627 - FX10</b>	1 Pc
<b>FXGH41</b>	Measuring needle $\varnothing 0.41$ mm	Blue	<b>FX627 - FX10</b>	1 Pc
<b>FXGH58</b>	Measuring needle $\varnothing 0.58$ mm	Pink	<b>FX621 - FX635 - FX10</b>	1 Pc
<b>FXGH84</b>	Measuring needle $\varnothing 0.84$ mm	Green	<b>FX621 - FX630 - FX635 - FX10</b>	1 Pc
<b>FXGH1.37</b>	Measuring needle $\varnothing 1.37$ mm	Amber	<b>FX630</b>	1 Pc
<b>FXADGH</b>	Adaptor for measuring needles to be screwed on to bottles			1 Pc



**GUN FOR FIXGLASS UV GEL**

Gun for dosing FIXGLASS UV GEL

With precise mechanical movement, it allows for regular, controlled dosing of the adhesive.



Art.	Qty
<b>FXGEL01</b>	1 Pc



**TWO-COMPONENT EPOXY RESIN**

Main materials to glue:

- Glass with: FLOAT/TEMPERED/LAMINATE GLASS
- METAL/STAINLESS STEEL/ALUMINIUM
- PLASTIC/POROUS MATERIALS

Main applications: Solutions subject to both static and dynamic loads that are not very large. Open glass constructions.

Description: Unloaded two-component epoxy system quick and strong. No solvents required.

How to use: Apply on the glass with the appropriate gun and mixer or by hand, mixing the resin and hardener together with a spatula. Attach the pieces and hold them in place for the required time. Useful for bonding when the use of UV lamps and adhesives is not permitted.



Technical data:  
 Resin:  
 Colour: straw-coloured  
 Resin viscosity (25°C) [mPa.s]: 5000–10000  
 Resin density (25°C) [g/ml]: 1.13–1.17  
 Hardener:  
 Colour: straw-coloured  
 Viscosity (25°C) [mPa.s]: 23000–33000  
 Density (25°C) [g/ml]: 1.11–1.15  
 Gel time (25°C Thickness 2 mm) [s]: 120–240  
 Working time (25°C Thickness 2 mm) [s]: 120–180  
 Set time (25°C) [min]: 6–7  
 Final system:  
 Colour: translucent  
 Resin: two-component epoxy  
 Consistency: Rigid  
 Density (25°C) [g/ml]: 1.12–1.16  
 Hardness (25°C after 1 h) [Shore D]: 65–70  
 Hardness (25°C after 24 h) [Shore D]: 75–80  
 Hardness (25°C after 7 days) [Shore D]: 78–83  
 Tg (after 7 days at ambient temperature) [°C]: 27–32  
 Tg (after 16 h at 40°C) [°C]: 27–32  
 Tg (after 3 h at 80°C) [°C]: 33–38  
 Shear strength  
 (AISI316 stainless steel after 7 days at ambient temperature) [MPa]: 9.0–11.0  
 Shear strength  
 (AISI316 stainless steel after 16 h at 40°C) [MPa]: 11.5–13.5  
 Shear strength  
 (AISI316 stainless steel after 3 h at 80°C) [MPa]: 15.0–18.5  
 Shear strength  
 (Aluminium after 7 days at ambient temperature) [MPa]: 8.5–10.5  
 Shear strength  
 (Aluminium after 16 h at 40°C) [MPa]: 10.5–12.5  
 Shear strength  
 (Aluminium after 3 h at 80°C) [MPa]: 16.0–18.0

Art.	Description	Qty
<b>FXBC50</b>	Two-component epoxy resin - 50 gr	1 Pc
<b>FXBC03</b>	Mixer for <b>FXBC50</b>	1 Pc
<b>FXBC05</b>	Mixer for <b>FXBC50</b> – 5-pc pack	1 Pc



**GUN FOR FXBC50**

Gun for dosing FXBC50.  
 With precise mechanical movement, it allows for regular, controlled dosing of the two components.



Art.	Qty
<b>FXBC01</b>	1 Pc

**FIXGLASS 1000**

Surface preparative for UV bonding  
 Product to clean glass before bonding.  
 This is a concentrated alcohol solution (> 99%)  
 It cleans and degreases glass, metal, marble.  
 Studied specifically for bonding with UV adhesives.  
 ON/OFF nozzle  
 PRODUCT WITHOUT EXPIRY DATE  
 STORE IN A COOL, SHADY ENVIRONMENT  
 USE TNT CLOTHS FOR APPLICATION  
**WARNINGS:** GLOVES USAGE IS RECOMMENDED  
 PRODUCT FOR PROFESSIONAL USE

Art.	Package	Qty
<b>FX1000</b>	<b>500 ml</b>	<b>1 Pc</b>

**SPRAYER FOR FIXGLASS 1000**

Spare professional sprayer for bottles of FIXGLASS 1000 surface preparative.  
 Versatile and robust.  
 Designed for comfortable use due to a rounded, ergonomic line and broad lever.  
 For frequent use. Made of a durable material.  
 Equipped with flow-regulation nozzle.  
 Standard supplied pipe with filter .  
 Equipped with patented stop that prevents unscrewing.  
 Average dose 1.3 ml.

Art.	Qty
<b>FXVP01</b>	<b>1 Pc</b>

**REFILL BOTTLE FOR FIXGLASS 1000**

Surface preparative for UV bonding (refill)  
 Product to clean glass before bonding.  
 This is a concentrated alcohol solution (> 99%)  
 It cleans and degreases glass, metal, marble.  
 Studied specifically for bonding with UV adhesives.  
 CHILD-PROOF cap  
 Bottle equipped with nozzle to facilitate the refill of the 500-ml bottle.  
**WARNINGS:** GLOVES USAGE IS RECOMMENDED  
 PRODUCT FOR PROFESSIONAL USE

Art.	Package	Qty
<b>FX2000</b>	<b>2 l</b>	<b>1 Pc</b>

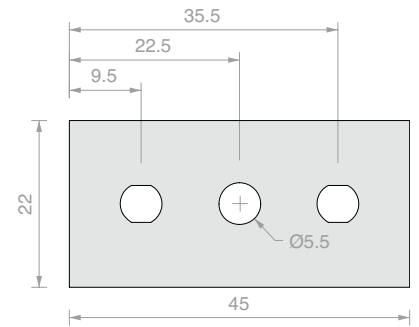
**TNT CLOTH**

Product to clean glass before bonding.  
 Does not leave surface residue.  
 When used with FIXGLASS 1000, it removes dirt and grease, leaving no streaks.

Art.	Description	Qty
<b>FXTNT01</b>	<b>400 x 250 mm - 50 Cloths</b>	<b>1 Pc</b>



**BLADES FOR PLASTIC CUTTING**



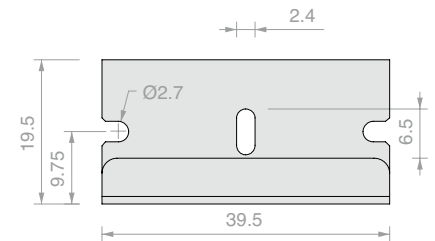
Art.	Thickness	Package	Qty
<b>LAME05</b>	<b>0.20 mm</b>	100 Pc	1 Pc
<b>LAME07</b>	<b>0.15 mm</b>	250 Pc	1 Pc



**DISPOSABLE BLADES FOR PLASTIC CUTTING**

Replacement blades with single cutting edge for scraping labels, gaskets, etc.

Carbon steel blades  
thickness 0.009"/0.23 mm with aluminium base.



Art.	Thickness	Package	Qty
<b>LAME02</b>	<b>0.23 mm</b>	100 Pc	1 Pc



**BLACK FELT**

Composition: 100% polypropylene  
Cohesion support: synthetic latex  
Total weight: 620 g/m2 ± 10%  
Resistance to fire: BFL-S1  
Thickness: 2.5 mm ± 10%

Art.	Dimension	Qty
<b>FN4</b>	<b>4000 mm</b>	per m <sup>2</sup>



**UV BONDING PROTECTIVE GOGGLES**

Filter type and lens material: Orange - 'The UV blocking lens'

Properties:

- Protects from UV rays and impacts.
- Protects from UVA rays and visible light up to 525 nm.
- Increases contrast in dim conditions.

Certified according to: EN166/EN170

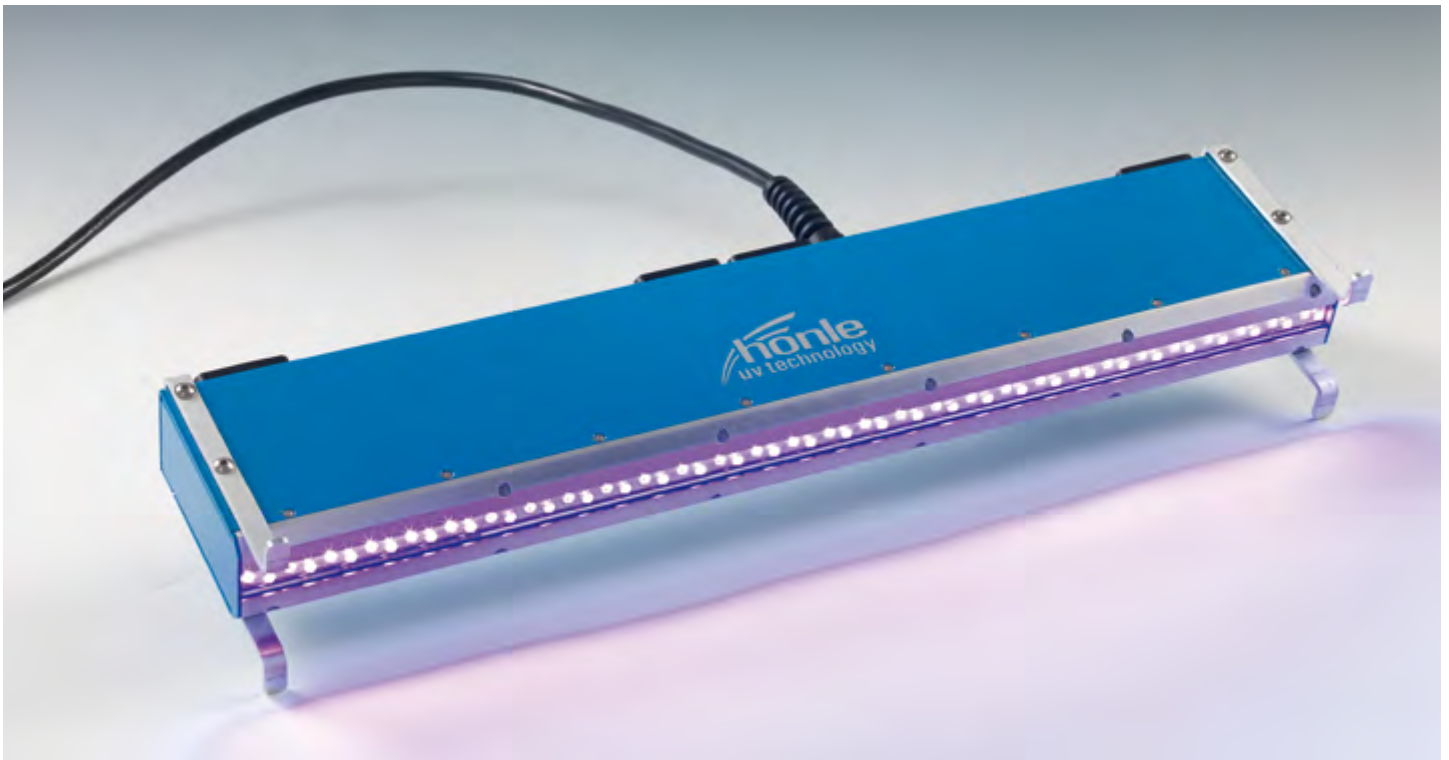
Marking: 2C - 1.7

VLT (visible light transmittance): 55%

**WARNINGS: WEAR WHEN USING UV LAMPS**

Suitable for bonding adhesives with **VISIBLE LIGHT**

Art.	Qty
<b>LAMP016</b>	1 Pc



**LEDLINE 500 UV LAMP**

Next-generation LED technology – 60 high-intensity LEDs  
 Lamp support dimensions: 503 mm x 180 mm x 150 mm – weight 2.8 kg  
 Emission window dimensions: 500 mm x 15 mm  
 No accessory power supply – connection directly to the mains  
 Power: 230 + 10 Volt  
 Absorption: 120 Watt  
 Wavelength = 405 nm **VISIBLE LIGHT**



Instructions included in the package.

- LED TECHNOLOGY FOR REPEATED ON/OFF WITHOUT BULB PROBLEMS
- LONG-LASTING – MORE THAN 20,000 HOURS
- RADIATION DISTRIBUTED UNIFORMLY OVER THE ENTIRE LINEAR SURFACE (the bulbs concentrate the radiation at the focus of the screen), DIFFERENTIAL VOLTAGES ARE AVOIDED DUE TO PROMPT CATALYSIS
- LAMP BODIES MAY BE CONNECTED
- REDUCED CONSUMPTION, JUST 120 W (MORE EFFICIENT THAN A 500-W BULB)
- EXCELLENT RESULTS AFTER JUST A FEW SECONDS OF EXPOSURE
- NO HEATING TIME – INSTANT EFFICIENCY
- PROGRAMMABLE POWER TIMER WITH DUAL SWITCH (from 1 sec to 19 hours or continuous)
- DOES NOT HEAT – PROTECTED PLANE OF SUPPORT
- REMOVABLE ALUMINIUM SPACERS SUPPLIED

**WARNING:** Use protective glasses and gloves recommended when using the lamps

**APPLICATIONS:** Catalysis of UV and visible light adhesives for bonding even long glass, metal, or plastic surfaces

Art.	Description	Qty
<b>FXUVLEDLINE405</b>	HONLE LEDLINE 500 lamp, wavelength 405 nm	1 Pc



**HAND LED UV LAMP**

High-intensity next-generation LED technology for bonding UV adhesives  
 Lamp support dimensions: 213 mm x 180 mm x 150 mm – weight 1.8 kg  
 No accessory power supply – connection directly to the mains  
 Power 230 Volt  
 Absorption just 64 Watts  
 Lasts more than 20,000 hours!  
 Wavelength = 365–405 nm **VISIBLE LIGHT**



Instructions included in the package.

- LED TECHNOLOGY FOR REPEATED ON/OFF WITHOUT BULB PROBLEMS
- LONG-LASTING – MORE THAN 20,000 HOURS
- RADIATION DISTRIBUTED UNIFORMLY OVER THE ENTIRE LINEAR SURFACE (the bulbs concentrate the radiation at the focus of the screen), GREATER BONDING AREA
- ERGONOMIC AND LIGHTWEIGHT
- REDUCED CONSUMPTION, JUST 64 W
- EXCELLENT RESULTS AFTER JUST A FEW SECONDS OF EXPOSURE
- NO HEATING TIME – INSTANT EFFICIENCY
- DOES NOT HEAT – PROTECTED PLANE OF SUPPORT

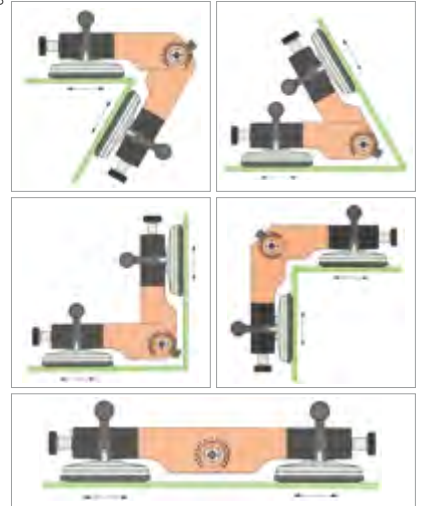
**WARNING: Use protective glasses and gloves recommended when using the lamps**

Art.	Description	Qty
<b>FXUVLED365</b>	HONLE hand LED UV lamp for bonding at <b>365</b> nm	1 Pc
<b>FXUVLED405</b>	HONLE hand LED UV lamp for bonding at <b>405</b> nm - <b>VISIBLE LIGHT</b>	1 Pc



**SUCTION CUP SUPPORT FOR BONDING WITH VARIABLE ANGLE**

Angle adjustable from 40° to 300°  
 Suction cup Ø120 mm  
 Suction cup movement 18 mm



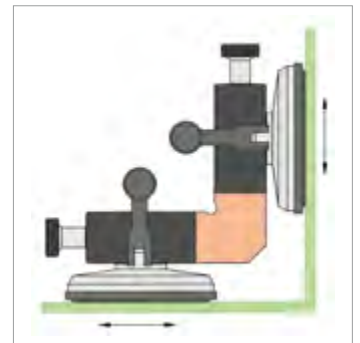
Art.  
**SUVREGH**

Qty  
 1 Pc



**SUCTION CUP SUPPORT FOR BONDING AT 90°**

Suction cup Ø120 mm  
 Suction cup movement 18 mm



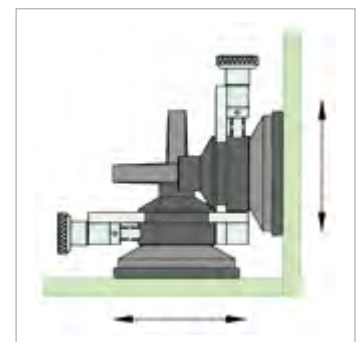
Art.  
**SUV90I**

Qty  
 1 Pc



**SUCTION CUP SUPPORT FOR BONDING AT 90° ADJUSTABLE**

Adjustment ± 4 mm.  
 Suction cup Ø60 mm



Art.  
**V90IR**

Qty  
 1 Pc

# SILICONES AND SEALANTS







**DW781**

**Medium/high modulus silicone sealant**

Dow Corning® 781 Acetoxysilicone Sealant is a one-part silicone with good adhesion on a wide range of non-porous surfaces including glass, aluminium, painted surfaces and composite panels. Highly resistant to ageing, shrinkage, cracking and discolouring.

**Properties**

- High strength
- Good elasticity
- 100% silicone
- Solvent-free
- Resistant to ozone, ultra-violet radiation, and extreme temperatures

**Technical data:**

Property	Unit	Value
Curing system		Acetoxysilicone
Application temperature	°C	from +5 to +40
Specific gravity	g/ml	1.02
Extrusion rate	g/minute	220
Skin time (23°C, 50% UR)	minutes	14
Curing time (23°C, 50% UR)		
1 day	mm	3.0
3 days	mm	5.0

**2 mm thickness, weight S2 (ISO 37)**

Modulus of elasticity 100%	MPa	0.40
Tensile strength	MPa	1.8
Elongation at break	%	520

**T.A. Joint 12 x 12 x 50 mm (ISO 8339/D1N2-8339)**

Modulus of elasticity 100%	MPa	0.4
Modulus of elasticity 60%	MPa	0.35
Tensile strength	MPa	0.59
Elongation at break	%	190
Hardness (Shore A)		22
Joint movement capability	%	20

Conforms to ISO 11600-F & G-25HM



TRANSPARENT



BLACK

Art.	Size	Colour	Package	Qty
<b>DW781TR</b>	<b>310 ml</b>	Transparent	12 Pcs	1 Pc
<b>DW781NE</b>	<b>310 ml</b>	Black	12 Pcs	1 Pc



**DW784**

**Silicon sealant for glazing**

The Dow Corning® 784 silicon sealant for glazing is a one-part silicone. It offers good adhesion on glass, aluminium and other non-porous substrates for construction. As it contains a fungicide for preventing the growth of mould, it is ideal as a sealant for weatherproofing areas which may be subject to high levels of moisture, such as bathroom and kitchen windows, or areas susceptible to the growth of mould.

**Properties**

- Protects against mould and fungus (tested in accordance with ISO 846)
- Good elasticity
- 100% silicone
- Resistant to ozone, ultra-violet radiation and extreme temperatures

**Technical data:**

Property	Unit	Value
Curing system		Acetoxysilicone
Application temperature	°C	from +5 to +40
Specific gravity	g/ml	1.02
Extrusion rate	g/minute	220
Skin time (23°C, 50% UR)	minutes	12
Tack-free time (23°C, 50% UR)	minutes	20
Curing time (23°C, 50% UR)		
1 day	mm	2.0
3 days	mm	4.0

**2 mm thickness, weight S2 (ISO 37)**

Modulus of elasticity 100%	MPa	0.41
Tensile strength	MPa	1.8
Elongation at break	%	550

**T.A. Joint 12 x 12 x 50 mm (ISO 8339/D1N2-8339)**

Modulus of elasticity 100%	MPa	0.4
Modulus of elasticity 60%	MPa	0.35
Tensile strength	MPa	0.57
Elongation at break	%	200
Hardness (Shore A)		22
Joint movement capability	%	20

Conforms to ISO 11600-F & G-25LM



TRANSPARENT

Art.	Size	Colour	Package	Qty
<b>DW784TR</b>	<b>310 ml</b>	Transparent	12 Pcs	1 Pc



**DW881**  
**Silicone sealant**  
**with high stickiness for glass**

The Dow Corning® 881 high modulus one-part silicone sealant for glass is a product which is particularly well-suited for bonding glass in all situations which require high strength and stickiness, as well as for all applications that require quick curing times, and high levels of resistance to water and ultra-violet radiation.

**Properties**

- Rapid curing
- High modulus
- Lasting high adhesion to glass
- Resistant to exposure to UV rays
- Resistant to intermittent immersion in water

**Technical data:**

Property	Unit	Value
Curing system		Acetoxy
Application temperature	°C	from +5 to +30
Workability time	minutes	5
Specific gravity	g/ml	1.1
Curing time (23°C, 50% UR)		
1 day	mm	3.0
3 days	mm	8.0

**2 mm thickness, weight S2 (ISO 37)**

Modulus of elasticity 100%	MPa	0.50
Tensile strength	MPa	> 2
Hardness (Shore A)		28

**The maximum permitted tension in the sealant is 50,000 Pa**



TRANSPARENT

Art.	Size	Colour	Package	Qty
DW881TR	310 ml	Transparent	12 Pcs	1 Pc



**DW799EU**  
**Mould-resistant silicone sealant**

The Dow Corning® 799 EU Glaze and Go silicone sealant is a low modulus neutral curing one-part sealant which has been specifically developed for sealing and weatherproofing windows. It ensures long-lasting adhesion on the majority of porous and non-porous surfaces, including masonry, brickwork, aluminium, PVC, glass and glazed surfaces. The Dow Corning® 799 EU Glaze and Go sealant is mould-resistant.

**Properties**

- Neutral curing system
- Low modulus, high elasticity
- Good adhesion without primer on numerous substrates
- Not corrosive for metals
- Easy to apply and work
- Resistant to ultra-violet radiation
- Contains fungicide
- Odourless

**Technical data:**

Property	Unit	Value
Curing system		Neutral
Application temperature	°C	from +5 to +40
Specific gravity	g/ml	1.03
Extrusion	g/minute	90
Penetration	1/10 mm	100
Skin time (23°C, 50% UR)	minutes	12
Tack-free (23°C, 50% UR)	minutes	18
Curing time (23°C, 50% UR)		
1 day	mm	2.8
3 days	mm	4.3

**2 mm thickness, weight S2 (ISO 37)**

Modulus of elasticity 100%	MPa	0.31
Tensile strength	MPa	1.3
Elongation at break	%	600

**T.A. Joint 12 x 12 x 50 mm (ISO 8339/D1N2-8339)**

Modulus of elasticity 100%	MPa	0.3
Tensile strength	MPa	0.55
Elongation at break	%	340
Modulus of rupture% of bonding rupture		100
Hardness (Shore A)		16

**Conforms to ISO 11600-F & G-25LM**



TRANSPARENT

Art.	Size	Colour	Package	Qty
DW799TR	310 ml	Transparent	12 Pcs	1 Pc



**DW796**

**Alkoxy silicone sealant**

The Dow Corning® 796 silicone sealant is a neutral curing, low modulus, one-part silicone, designed specifically for sealing PVC, aluminium, wood, glass, glazed surfaces and brick walls. It is particularly well suited for sealing around the edges of doors and windows.

**Properties**

- Good adhesion without primer on numerous substrates
- Low modulus, high elasticity
- 100% silicone polymer
- Neutral curing system
- Low odour
- Resistant to ozone and ultra-violet radiation and extreme temperatures

**Technical data:**

Property	Unit	Value
Curing system		Alkoxy
Application temperature	°C	from +5 to +40
Specific gravity	g/ml	1.52
Extrusion rate	g/minute	210
Skin time (23°C, 50% UR)	minutes	15
Tack-free (23°C, 50% UR)	minutes	35
Curing time (23°C, 50% UR)		
1 day	mm	2.0
3 days	mm	3.5

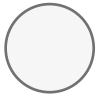
**2 mm thickness, weight S2 (ISO 37)**

Modulus of elasticity 100%	MPa	0.45
Tensile strength	MPa	1.8
Elongation at break	%	700

**T.A. Joint 12 x 12 x 50 mm (ISO 8339/D1N2-8339)**

Modulus of elasticity 100%	MPa	0.35
Tensile strength	MPa	0.75
Elongation at break	%	380
Hardness (Shore A)		30
Elastic recovery	%	> 90
Joint movement capability	%	20

Conforms to ISO 11600-F & G-25LM



WHITE



BLACK



GREY

Art.	Size	Colour	Package	Qty
<b>DW796BI</b>	<b>310 ml</b>	White	12 Pcs	1 Pc
<b>DW796NE</b>	<b>310 ml</b>	Black	12 Pcs	1 Pc
<b>DW796GR</b>	<b>310 ml</b>	Grey	12 Pcs	1 Pc

\* AVAILABLE ON REQUEST



**DW817**

**Silicone sealant mirror adhesive**

The Dow Corning® 817 mirror adhesive is a one-part silicone sealant for indoor fixing of mirrors, coated glass, or metal panels on a variety of substrates. Once cured, the silicone provides excellent mechanical adhesion and minimal movement of the mirror.

**Properties**

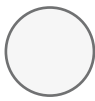
- Non-corrosive, odourless, ready to use, reacts with air moisture
- Excellent adhesion without primer to most glass, metals and mirror coatings
- Particularly resistant to heat and moisture
- High modulus reducing the amount of sealant used
- Resistant to ozone and ultra-violet radiation and extreme temperatures

**Technical data:**

Property	Unit	Value
Curing system		Neutral
Application temperature	°C	from +5 to +40
Operating temperature range	°C	from -50 to +100
Workability time	minutes	29
Specific gravity	g/ml	1.43
Slump	mm	≤ 3

**T.A. Joint 12 mm x 12 mm x 50 mm (ISO 8339)**

Hardness (Shore A)		28
Young modulus	MPa	1.2



WHITE

Art.	Size	Colour	Package	Qty
<b>DW817BI</b>	<b>310 ml</b>	White	12 Pcs	1 Pc



BLACK

**DW791****Weatherproof silicone sealant**

The Dow Corning® 791 weatherproof silicone sealant is a neutral, low modulus, high quality sealant, specifically designed for sealing glass panels, curtain walls, and building façades.

Also suitable for sealing joints between floors, walls, non-load-bearing walls, stairs, and other types of joints found in a building.

**Properties**

- Ideal for expansion, connection, perimeter, and other movement joints
- Neutral curing
- Extension/compression capacity up to  $\pm 50\%$  of the width of the original joint
- Excellent adhesion on a wide variety of construction materials
- Excellent weather resistance
- Resistant to ozone, ultra-violet radiation and temperature extremes

**Technical data:**

Property	Unit	Value
Curing system		Alcohol
Extrusion rate	g/minute	220
Workability time (23°C, 50% UR)	minutes	20
Tack-free (23°C, 50% UR)	minutes	30
Curing time (23°C, 50% UR)		
1 day	mm	2.0
3 days	mm	4.0
Specific gravity	g/ml	1.5
Application temperature range	°C	from +5 to +400

**Curing - 2 mm thickness S2 dumb-bells (ISO\*\* 37/DIN\*\*\* 53 504)**

Modulus of elasticity 100%	MPa	0.45
Maximum tensile strength	MPa	1.9
Elongation at break	%	700

**Curing - T.A. Joint 12 x 12 x 50 mm (ISO 8339/DIN 2-8339)**

Modulus of elasticity 100%	MPa	0.35
Tensile strength	MPa	0.75
Elongation at break	%	380
Hardness (Shore A)		29
Elastic recovery	%	> 90
Joint movement capability	%	$\pm 50$

Conforms to ISO 11600-F & G-25LM

Art.	Size	Colour	Package	Qty
<b>DW791NE</b>	<b>310 ml</b>	Black	12 Pcs	1 Pc



TRANSPARENT

**DW791T****Weatherproof silicone sealant**

The Dow Corning® 791T weatherproof silicone sealant is a neutral, low modulus, high quality sealant, specifically designed for sealing glass panels, curtain walls, and building façades.

Also suitable for sealing joints between floors, walls, non-load-bearing walls, stairs, and other types of joints found in a building.

**Properties**

- Ideal for expansion, connection, perimeter, and other movement joints
- Neutral curing
- Extension/compression capacity up to  $\pm 50\%$  of the width of the original joint
- Excellent adhesion on a wide variety of construction materials
- Excellent weather resistance
- Resistant to ozone, ultra-violet radiation and temperature extremes

**Technical data:**

Property	Unit	Value
Curing system		Oxime
Extrusion rate	g/minute	210
Workability time (23°C, 50% UR)	minutes	5-10
Tack-free (23°C, 50% UR)	minutes	15-20
Curing time (23°C, 50% UR)		
1 day	mm	3.0
3 days	mm	4.0
Specific gravity	g/ml	1.03
Application temperature range	°C	from +5 to +400

**Curing - 2 mm thickness S2 dumb-bells (ISO\*\* 37/DIN\*\*\* 53 504)**

Modulus of elasticity 100%	MPa	0.3
Maximum tensile strength	MPa	1.84
Elongation at break	%	500

**Curing - T.A. Joint 12 x 12 x 50 mm (ISO 8339/DIN 2-8339)**

Modulus of elasticity 100%	MPa	0.32
Tensile strength	MPa	0.43
Elongation at break	%	300
Hardness (Shore A)		23
Elastic recovery	%	> 90
Joint movement capability	%	$\pm 50$

Conforms to ISO 11600-F & G-25LM

Art.	Size	Colour	Package	Qty
<b>DW791TTR</b>	<b>310 ml</b>	Transparent	12 Pcs	1 Pc



**DW895**

**Sealant for structural glazing**

The Dow Corning® 895 silicon sealant is a one-part silicone for structural glazing. The cured product provides a high level of weatherproofing and high resistance to ultra-violet radiation, heat, and moisture. The high tensile strength means this product is ideally suited to structural bonding applications. Excellent mechanical properties.

**Properties**

- Meets new European standards for the application of structural sealants, developed by EOTA
- Excellent adhesion to a wide range of substrates, including coated, enamelled and reflective glass, polyester coated and anodized aluminium, and stainless steel profiles
- Neutral curing system, odourless and non-corrosive
- One-part product
- Resistant to ozone and extreme temperatures

**Technical data:**

**Properties - As supplied**

Properties - As supplied	Unit	Value
Specific gravity	g/ml	1.43
Slump or flow	mm	0
Tack-free time (25°C, 50% UR)	minutes	60
Curing time (25°C, 50% UR)		
After 24 hours	mm	2.2
After 72 hours	mm	3.5

**Cured - After 7 days at 25°C and 50% UR**

Hardness (Shore A)	points	38
Ultimate elongation	%	600
Tensile strength at 100% elongation	MPa	0.7
Tensile strength at maximum elongation	MPa	2.85
Tear strength	kN/m	19

**H-piece testing**

Ultimate elongation	%	260
Tensile strength	MPa	1.06
Young modulus	MPa	1.0
Sealant dynamic design load	Pa	140,000
Sealant static design load	Pa	7000
Operating temperature range	°C	from -50 to +150
Workability time	minutes	15



BLACK

Art.	Size	Colour	Package	Qty
<b>DW895NE</b>	<b>310 ml</b>	Black	12 Pcs	1 Pc





### CLEAR FIX MS Polymer

High quality product, strong adhesive/sealant, MS polymer-based one-part product Odourless, neutral, isocyanate-free. After application, it uses atmospheric humidity to cure, forming a lasting rubbery seal.

#### Properties

- Bonding panels, cornices, windowsills, wood, strips, floor sills, mirrors and insulating materials in the construction sector
- Sealing systems for glass indoors
- Junction joints in buildings
- For kitchens and bathrooms
- For metal junction joints in construction and vehicle bodywork
- Sealant used in the naval construction industry
- Universal plaster for filling cracks and uneven surfaces

#### Technical data:

Property	Unit	Value
Base		MS Polymer
Application temperature		+5°C to +40°C
Application rate	3 mm/6.3 bar	150 g/min
Slump	ISO 7390	< 2 mm
Specific gravity		1.063 g/ml
Skin time	23°C/55% RF.	10-15 mins
Hardness after 24 hours	23°C/55% RF.	2 mm
Paintable after curing		Yes
Elongation/concentration of the joint		+/- 25%
Resistance to temperature after curing		-40°C to +100°C

#### Mechanical properties at 2 mm.

Hardness, SHORE A scale (3 s)	DIN 53505	45
Modulus of elasticity 100%	DIN 53504	1.15 Mpa (N/mm <sup>2</sup> )
Tensile strength	DIN 53504	2.2 Mpa (N/mm <sup>2</sup> )
Elongation at break	DIN 53504	250%



TRANSPARENT  
CRYSTALLINE

Art.	Size	Colour	Package	Qty
<b>DWCLETC</b>	<b>290 ml</b>	Transparent crystalline	12 Pcs	1 Pc



### HIGH TACK For mirrors

High Tack is a high quality professional adhesive with extremely high adhesion properties. Based on hybrid technology, it uses atmospheric humidity to cure, forming a strong and elastic joint.

High Tack has been specifically developed as a universal adhesive for bonding a number of construction materials, including: stone, cement, mirrors, glass, plasterboard, PU, uPVC, hard plastics, enamel, ceramics, copper, lead, zinc, aluminium, metals, steel, wood, and painted surfaces.

#### Properties

- Extremely high initial adhesion
- Does not require fixing or support whilst hardening
- High modulus of elasticity and high mechanical strength
- Free from isocyanates, solvents and silicones
- Lasting elasticity
- Does not shrink, bubble-free
- Not corrosive for metals
- Neutral curing, virtually odourless
- Good resistance to weather and moisture
- Adheres perfectly without primer on the majority of surfaces, including wet surfaces

#### Technical data:

Property	Unit	Value
Base		Hybrid
Application temperature		+5°C to + 40°C
Density		1.57 g/ml
Modulus of elasticity 100%	N/mm <sup>2</sup>	1.39 Mpa
Application rate	@ 3 mm/4 bar	20 g/min
Curing time		± 2-3mm/24h
Elongation at break		335%
Slump	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Hardness, Shore A	DIN 53505	55
Skin time	23°C/50% UR	15 mins.
Elongation/concentration of the joint		+/- 25%
Temperature resistance after curing		-40°C/+90°C
Tensile strength	N/mm <sup>2</sup>	2.20 Mpa



WHITE

Art.	Size	Colour	Package	Qty
<b>DWHTKBI</b>	<b>290 ml</b>	White	12 Pcs	1 Pc



**DOW PRIMER C**  
**For painted surfaces**

Dow Corning® Primer C is a bonding promoter solvent to improve sealant adhesion on all painted surfaces.

**Properties**

- Adhesion promoter for painted surfaces and other plastic surfaces
- Reacts to atmospheric moisture
- Does not stain
- Accelerates adhesion of polyester and paint dust
- Resistant to ozone, ultra-violet radiation, and extreme temperatures

**Technical data:**

Property	Unit	Value
Coverage rate, non-porous surfaces	ft <sup>2</sup> /gal	800
Lineal coverage rate, 1/2" wide joint	ft/gal	10,000
Specific gravity		0.90
Flash point	°C	-4
VOC content	g/L	855



TRANSPARENT

Art.	Size	Colour	Qty
<b>DWPRCTR</b>	<b>250 g</b>	Transparent	1 Pc



**DOW PRIMER 1200 OS UV TRACEABLE**  
**For non-porous surfaces**

The Dow Corning® 1200 OS UV Traceable Primer is a product that is designed for improving adhesion on non-porous surfaces, such as aluminium profiles, metal, and glass. Contains a small quantity of UV tracer. This enables the correct application of the primer to be checked using a UV lamp.

**Properties**

- Improves the adhesion of silicon sealants on many substrates
- Provides a more even bond and stronger adhesion
- Suitable for structural applications and for weatherproofing
- Rapid adhesion to surfaces

**Technical data:**

Property	Unit	Value
Viscosity at 23°C	mPa.s	1
Flash point - closed cup	°C	1
Specific gravity at 23°C		0.82



TRANSPARENT

Art.	Size	Colour	Qty
<b>DWPRPTR</b>	<b>500 ml</b>	Transparent	1 Pc

**LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY**

The information contained herein is offered in good faith and is believed to be accurate. However, it is provided solely for information purposes. For more information on individual products, read the technical data sheets carefully, available to download online at [www.dowcorning.com](http://www.dowcorning.com). However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution preliminary tests which are vital for ensuring that our products are safe and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent. Saint-Gobain Logli S.r.l. warrants only the conformity of the products with the current sales specifications. Any compensation to the user or the liability of Saint-Gobain Logli S.r.l. is limited exclusively to the reimbursement of the purchase price or the replacement of any product shown to be other than as warranted. Saint-Gobain Logli S.r.l. does not offer any express or implied warranty of fitness for a particular purpose or merchantability.

**Limitations of ACETOXY SILICONES**

Acetoxy Silicone Sealants should not be used on porous substrates such as concrete, stone, marble, or granite. A Dow Corning® Acetoxy Silicone Sealant must not be used in contact with the external sealing of a double glazing unit. Do not use Acetoxy Silicone Sealants on bituminous substrates, natural rubber substrates, chloroprene, EPDM, or construction materials and flexible plastics which could release oil, plasticisers, or solvents. Do not use Dow Corning® Acetoxy Silicone Sealants in a totally confined space because the sealant requires atmospheric moisture to cure. Because acetoxy acid is released during curing, it can corrode mirror silver and sensitive metals such as copper, brass and lead. For this application, Dow Corning® 817 Mirror Adhesive should be used. Dow Corning® Acetoxy Silicone Sealants are not recommended for use on submerged joints, or in joints where physical abuse or abrasion is likely to occur. These products are not suitable for food contact applications. However, it is listed in the British Regulation for Plumbing Accessories for applications in contact with drinking water, after curing. The use of Dow Corning® Silicone Sealants is not recommended for applications on structural glazing or double glazing.

**Limitations of NEUTRAL SILICONES**

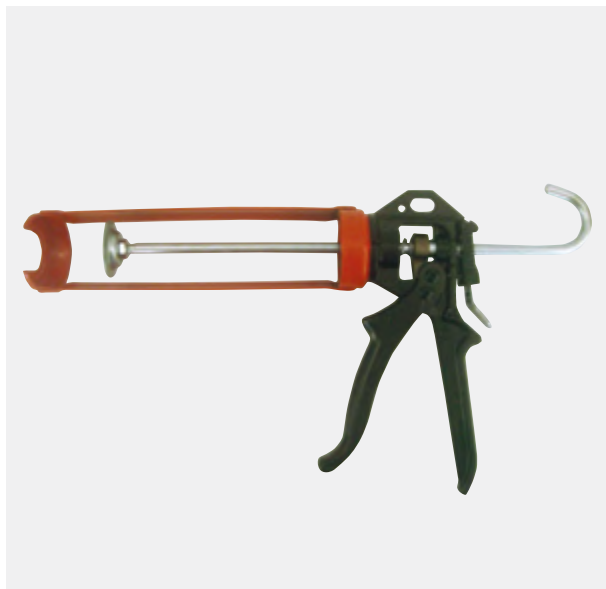
The use of Neutral Silicone Sealants is not recommended for applications on structural glazing or double glazing. Do not use Neutral Silicone Sealants on bituminous substrates, natural rubber substrates, chloroprene, EPDM, or construction materials which could release oil, plasticisers, or solvents. Do not use Dow Corning® Neutral Silicone Sealants in a totally confined space because the sealant requires atmospheric moisture to cure. The products are not recommended for use on submerged joints or in joints where physical abuse or abrasion is likely to occur. On porous substrates such as concrete, marble, granite, and other natural stone where it may bleed. On sensitive substrates, specific tests must be carried out. These products are not suitable for food contact applications. It is not recommended to use Dow Corning® Neutral Silicone Sealants on surfaces where the temperature is lower than 5°C (41°F), as it is impossible to ensure that the surface is dry at such temperatures.



**MANUAL CARTRIDGE GUN**

- Open-sided aluminium model, functional, lightweight
- Hexagonal push rod with very high mechanical performance
- Semi-professional, suitable for window fitters, plumbers, tinsmiths, tools and ironmongery

Art.	Qty
<b>DWGUNSTE</b>	1 Pc



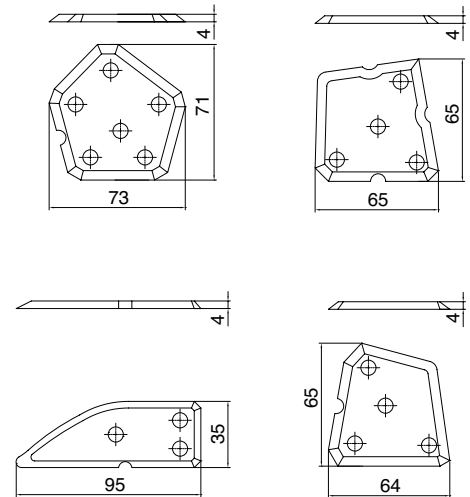
**MANUAL CARTRIDGE GUN**

- Professional use, practical and lightweight
- Wear compensation mechanism

Art.	Qty
<b>DWGUNSKE</b>	1 Pc

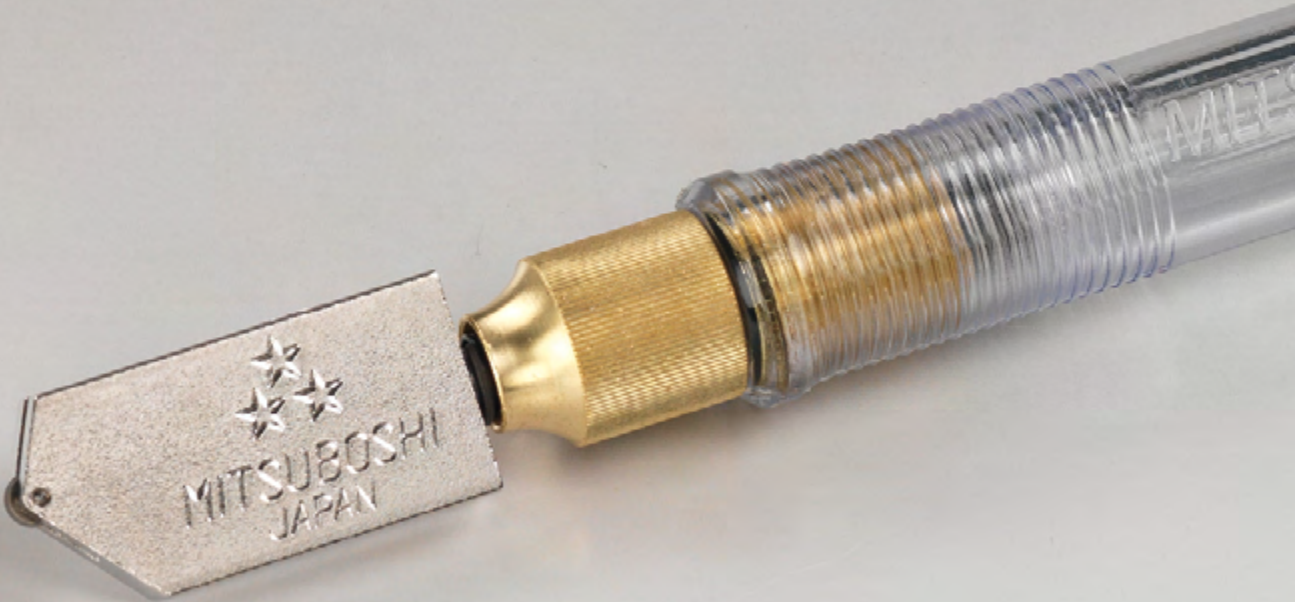


**SILICONE SPREADING SPATULAS**



Art.	Package	Qty
<b>DWSIL</b>	4 Pcs	1 Pc

# ACCESSORIES FOR GLASSWORKS







**HARD METAL WHEELS FOR AUTOMATIC GLASS CUTTING**

The wheels are used on automatic cutting tables. Just provide us with the brand and type of glass to be cut (float, laminate, low-E) and the type of cut (straight, shaped, circular) and we can tell you the wheel and wheel holder that are required.

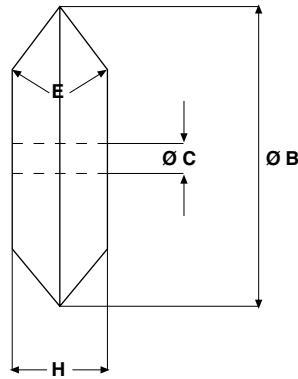
Products on request

For perfect results, each wheel must be selected to suit the application

Sharpening code:

“PL” code: straight, open, or shaped cut for 3 to 10 mm glass

“SC” code: for cutting thick and laminate glass



**B** = wheel external Ø  
**H** = wheel thickness  
**C** = hole Ø  
**E** = cutting angle between 118° and 165°

The choice of cutting angle “E” depends in particular on the type of cut and the thickness of the glass.  
 The choice of wheel also depends on the cutting pressure and speed. The more obtuse the angle, the thicker the glass.

**STRAIGHT CUT**

Angle	Glass thickness in mm
118°	0.8 – 1
125°	1-2
135°	2-3-4
140°	4
145°	4-5-6-8
150°	8
155°	8-10-12
160°	12-15
165°	15-19

**SHAPED CUT**

Angle	Glass thickness in mm
135°	1-2
140°	2
145°	3-4
150°	4-5
155°	5-6
160°	6-8
165°	8

To order products, please proceed as follows:

Select the cutting angle “E”

Art.	Dimensions	Features	Sharpening	Package	Qty
<b>TALRO5614</b>	<b>B</b> 5.6 <b>H</b> 1.08 <b>C</b> 1.4 mm	suitable for straight cut and wider radiuses, can be used for open cuts	<b>PL/SC</b>	10 Pcs	1 Pc

Straight cutting means a cut which allows the cut shape to be easily “detached”, for example a circle or an oval. At the end of the cut, applying gentle pressure and making 4 small external cuts (using a traditional glass cutter) it should be produced perfect circle cut, without splinters.

This information is provided solely for general purposes, you are advised to check the most suitable product for your specific requirements.



**PLASTIC CLIP CSM-CSDA**

Cutting tables: Bottero Bavelloni, CMS Technologies, GFPm, Macotec, Intermac, Pannkoke, Tuomas

Products on request

Angle	Colour	Sharpening	Ø
118°	Yellow	PL	5-5.4-5.8 mm
125°	Blue	PL	5-5.4-5.8 mm
135°	White	PL	5-5.4-5.8 mm
140°	Blue	PL	5-5.4-5.8 mm
145°	Black	PL	5-5.4-5.8 mm
150°	Brown	PL	5-5.4-5.8 mm
155°	Red	PL	5-5.4-5.8 mm
160°	Green	SC	5-5.4-5.8 mm
165°	Light green	SC	5-5.4-5.8 mm

Art.	Wheel dimensions	Package	Qty
<b>TALCSM</b>	<b>Ø5.6 mm</b>	10 Pcs	1 Pc
<b>TALCSDA</b>	<b>Ø5 mm</b>	10 Pcs	1 Pc



### mitsubishi Cutting Oil FOR SHAPED CUT

Use with OIL3132 oil

Art.	Glass thickness	Qty
<b>MITSUBOR-38</b>	From 3 to 8 mm	1 Pc



### TOYO METAL GLASS CUTTER WITH TAP WHEEL

Use with OIL3132 oil

Art.	Glass thickness	Cutting angle	Qty
<b>TAG004</b>	From 3 to 12 mm	140°	1 Pc



### TOYO PLASTIC GLASS CUTTER WITH TAP WHEEL

Use with OIL3132 oil

Art.	Glass thickness	Cutting angle	Qty
<b>TAG003</b>	From 3 to 12 mm	140°	1 Pc

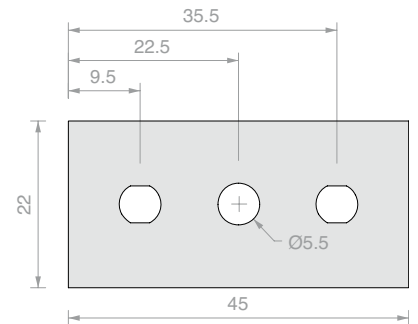


### SPARE PARTS FOR GLASS CUTTER

Art.	Description	Qty
<b>TAG007</b>	Spare part for TOYO glass cutter	1 Pc

**HAMMER GLASS**

Art.	Description	Qty
<b>CPH20</b>	Aluminium handle, brass head, Ø20 and Ø14 mm	1 Pc

**BLADES FOR PLASTIC CUTTING**

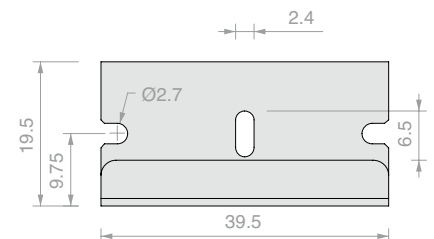
Art.	Thickness	Package	Qty
<b>LAME05</b>	<b>0.20 mm</b>	100 Pc	1 Pc
<b>LAME07</b>	<b>0.15 mm</b>	250 Pc	1 Pc

**DISPOSABLE BLADES FOR PLASTIC CUTTING**

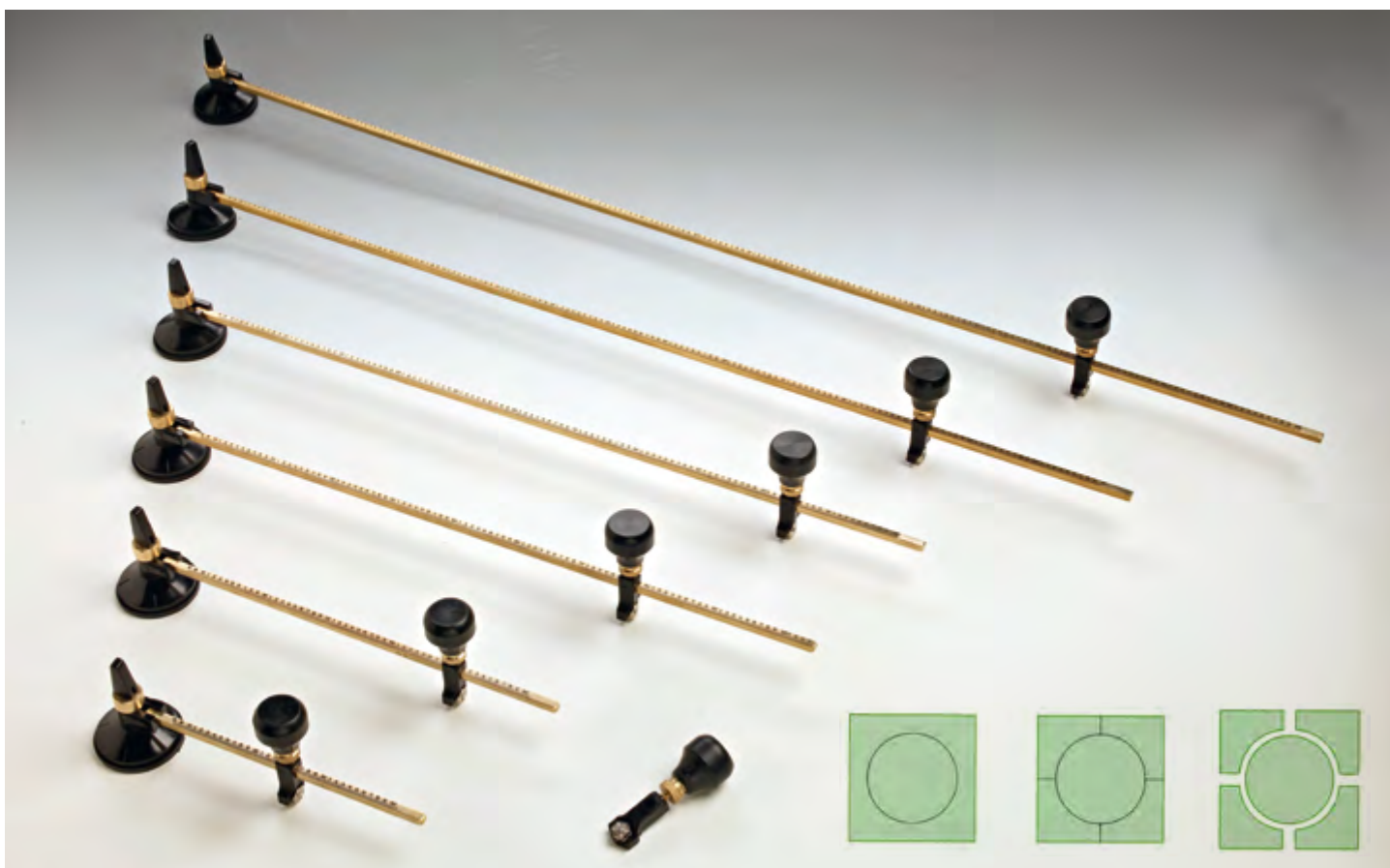
Spare blades with single cutting edge for scraping labels, gaskets, etc.

Carbon steel blades

thickness 0.009"/0.23 mm with aluminium base.



Art.	Thickness	Package	Qty
<b>LAME02</b>	<b>0.23 mm</b>	100 Pc	1 Pc



**GLASS CUTTER COMPASS**

Graduated bar with cross-hairs on the suction cup for correctly positioning the pane of glass. The cutting action is performed using the rotating knob. Minimum diameter 85 mm. Supplied with wheel with six 135° carbon heads.

- Set diameter using the scale on the ruler
- Fix the head
- Oil the head of the glass cutter
- Rotate a few times to oil the fracture line.
- Start the cut by pressing continuously on the glass with the correct pressure.
- Make some lateral lines using a glass cutter which intercept the circle traced
- Open the line marked by the circle using an accessory
- Opening will release the circle of glass

Art.	Maximum cutting diameter	Optimum cutting thickness	Qty
<b>CP400</b>	400 mm	3-6 mm	1 Pc
<b>CP600</b>	600 mm	3-6 mm	1 Pc
<b>CP1000</b>	1000 mm	3-6 mm	1 Pc

**SPARE PARTS FOR GLASS CUTTER COMPASS**



Art.	Description	Qty
<b>CPLEV</b>	Lever	1 Pc
<b>CPVEN</b>	Suction cup Ø60 mm	1 Pc
<b>CPOM</b>	Knob with spare glass cutter angle 135°	1 Pc

**CUTTING OIL FOR TABLES 3130**

Cutting oil ideal for straight and shaped cuts, evaporates slowly allowing for opening of cuts. The residue left on the glass is easy to remove. It is designed to prevent the cutting heads from overheating and its use does not wear the rubber parts of the machines in any way and ensures longevity of the cutting wheel.

Art.	Size	Qty
<b>OIL31301</b>	1 l	1 Pc
<b>OIL31305</b>	5 l	1 Pc
<b>OIL313025</b>	25 l	1 Pc

**CUTTING OIL FOR TABLES 3133**

High volatility cutting oil, ideal for cuts where subsequent processing requires a surface with no residues, such as serigraphy, car glass, etc. Its use does not wear the rubber parts of the machines in any way and ensures longevity of the cutting wheel.

Art.	Size	Qty
<b>OIL31335</b>	5 l	1 Pc

**CUTTING OIL FOR TABLES 3132**

Synthetic cutting fluid specific for working with low-E glass. Formulated using synthetic bases and additives to reduce surface tension for optimising the finish of the glass being processed. The excellent cooling properties, its neutrality towards glass and the special additives in the emulsion give the glass a high grade of finish. Excellent evaporation properties.

Odourless and with a very low tendency to form foam.

Suitable for glass cutters.

Art.	Size	Qty
<b>OIL31321</b>	1 l	1 Pc
<b>OIL31325</b>	5 l	1 Pc

**SQUARE WITH BRACE AND RULER ON EDGE**

Metric gradations, made of hard phenolic material.

Brace thickness 4 mm,

Base thickness 12 mm with 4 mm edge

Units in mm for measuring the distance from other edges.



Art.	Length	Qty
<b>SQHB1050</b>	<b>1050 mm</b>	<b>1 Pc</b>

**SQUARE WITH DIAGONAL**

Art.	Length	Qty
<b>SQ002</b>	<b>500 mm</b>	<b>1 Pc</b>
<b>SQ003</b>	<b>700 mm</b>	<b>1 Pc</b>
<b>SQ004</b>	<b>900 mm</b>	<b>1 Pc</b>
<b>SQ005</b>	<b>1100 mm</b>	<b>1 Pc</b>
<b>SQ006</b>	<b>1250 mm</b>	<b>1 Pc</b>
<b>SQ007</b>	<b>1500 mm</b>	<b>1 Pc</b>

**STRAIGHT EDGE**

Art.	Length	Qty
<b>RIGA001</b>	<b>2500 mm</b>	<b>1 Pc</b>

**STRAIGHT EDGE WITH SUCTION CUP**

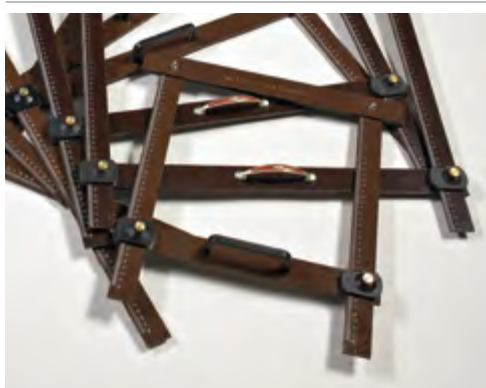
Made of hard phenolic material.

The suction cups allow the device to be used by a single operator.

Thickness 10 mm width 80 mm.

Dimensional tolerance:  $\pm 1$  mm/1 m

Art.	Length	Suction cups	Qty
<b>SQTV3500</b>	<b>3500 mm</b>	<b>5</b>	<b>1 Pc</b>

**ADJUSTABLE SQUARE**

Made of hard phenolic material.

Calibrated rods on both arms for precise cutting.

Suitable for cutting glass strips with the same dimensions.

Art.	Dimensions	Qty
<b>SQTS860</b>	<b>800 mm x 600 mm</b>	<b>1 Pc</b>

**JAW PLIERS**

For glass up to 19 mm



Art.	Length	Opening	Qty
<b>PINZJAW</b>	355 mm	36 mm	1 Pc

**GLASS GROZING PLIERS**

Art.	Length	Opening	Qty
<b>PINZ002</b>	200 mm	24 mm	1 Pc

**ADJUSTABLE GLASS GROZING PLIERS**

Art.	Length	Opening	Qty
<b>PINZ30</b>	200 mm	30 mm	1 Pc

**DROP JAW GLASS GROZING PLIERS**

Art.	Length	Opening	Qty
<b>PINZ35</b>	195 mm	21 mm	1 Pc



**DIAMOND CIRCULAR SAW**

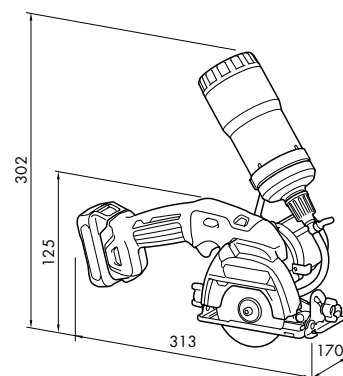
Highly manoeuvrable.

- Inclined cut up to 45°
- Compact and lightweight
- Soft grip coating

Accessories supplied: battery charger, 2 Li-ion batteries, blade, water tank, allen key

**Technical description:**

- blade size external Ø85 x 1.8 mm
- hole Ø15 mm
- cutting capability at 90° 25.5 mm at 45° 16.5 mm
- off-load speed 1600 rpm
- 4 Ah battery
- 0.5 litre tank
- weight 1.8 kg



Art.	Dimensions	Volts	Qty
<b>MAK300</b>	313 mm x 170 mm x 125 mm	<b>12</b>	1 Pc



**MAKITA SEGMENTED DIAMOND BLADE**

Art.	Dimensions	Qty
<b>MAK10</b>	Ø110 x 1.9 mm Hole Ø20 mm	1 Pc



**DIAMOND BLADE FOR MAKITA DUEZETA**

Art.	Dimensions	Qty
<b>UDFMARK80</b>	Ø80 x 1.2 mm Hole Ø15 mm	1 Pc



**MAKITA DIAMOND BLADE**

Art.	Dimensions	Qty
<b>MAK80</b>	Ø85 x 1.8 mm Hole Ø15 mm	1 Pc



**DIAMOND CORE DRILL BIT WITH CONTINUOUS CROWN**

Attachment: normal 1/2 Gas 14 Fpp length 75 mm  
 Attachment: long 1/2 Gas 14 Fpp length 95 mm (on request)  
 Standard core drill: AVP body,  
 bond 7283 concentration ME grit 010, diamond 1131.  
 Top line core drill: AVP body, FH bond,  
 concentration MG, grit 010, diamond 1120  
 Before using the core for the first time, it is recommended to dress the diamond with an abrasive stone by drilling a couple of holes, using water.  
 It is not advised to use manual dressing sticks because they may cause the diamond band to break jeopardising the safety of the operator.

WORKING CONDITIONS				
Ø	SPINDLE SPEED		WATER FLOW	
	RPM Min.	RPM Max.	Glass 3-4 mm	Glass ≤ 5 mm
6	3200	12,000	0.2	0.4
8	2800	12,000	0.2	0.5
10	2400	10,000	0.2	0.5
12	2000	8000	0.2	0.7
15	1400	6500	0.3	0.7
20	1200	4500	0.3	1.0
30	1000	3200	0.3	1.2
50	850	2000	0.4	1.5
100	700	1200	0.5	1.5
150	400	800	0.8	1.7
200	300	600	1.0	2.0
300	200	400	1.5	2.5

Art.	Dimensions	Band thickness	Qty
<b>UDF-7283ME06</b>	Ø 6 mm	<b>0,75</b> mm	1 Pz
<b>UDF-7283ME08</b>	Ø 8 mm	<b>0,75</b> mm	1 Pz
<b>UDF-7283ME10</b>	Ø 10 mm	<b>0,75</b> mm	1 Pz
<b>UDF-7283ME12</b>	Ø 12 mm	<b>0,75</b> mm	1 Pz
<b>UDF-7283ME14</b>	Ø 14 mm	<b>0,75</b> mm	1 Pz
<b>UDF-7283ME15</b>	Ø 15 mm	<b>0,75</b> mm	1 Pz
<b>UDF-7283ME16</b>	Ø 16 mm	<b>0,75</b> mm	1 Pz
<b>UDF-7283ME18</b>	Ø 18 mm	<b>0,75</b> mm	1 Pz
<b>UDF-7283ME20</b>	Ø 20 mm	<b>0,75</b> mm	1 Pz
<b>UDF-7283ME40</b>	Ø 40 mm	<b>1</b> mm	1 Pz

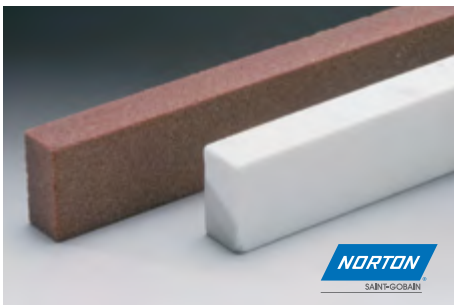


**ADAPTOR FOR CORE DRILLS**

Material: brass



Art.	Dimensions	Qty
<b>UDFS8</b>	From R 1/2" to chuck Ø12 mm	1 Pc



**DRESSERS FOR CORE DRILLS AND CUP WHEELS**

Grit 60 to 120 mesh suitable for dressing tools with grit from D 126 to D 213.  
 Grit 120 to 220 mesh suitable for dressing tools with grit from D 64 to D 126.

Art.	Dimensions	Colour	Grit	Qty
<b>NSGST01</b>	25 mm x 50 mm x 200 mm	Orange	<b>80</b>	1 Pc
<b>NSGST03</b>	25 mm x 50 mm x 200 mm	Blue	<b>120</b>	1 Pc
<b>NSGST05</b>	25 mm x 50 mm x 200 mm	White	<b>180</b>	1 Pc
<b>NSGST07</b>	10 mm x 115 mm x 285 mm	Brown	<b>120</b>	1 Pc
<b>NSGST09</b>	20 mm x 20 mm x 200 mm	White	<b>220</b>	1 Pc



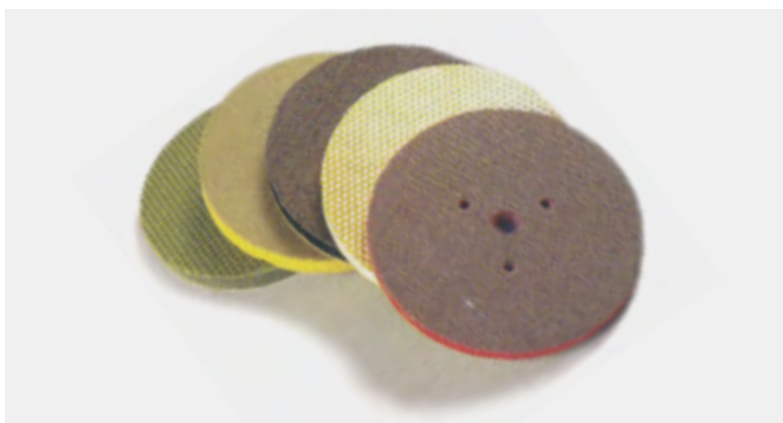
**GLASS MARKING PENS**

Art.	Description	Qty
<b>PUN20</b>	Hard metal glass marking pen	1 Pc
<b>PUN001</b>	Hard metal glass marking pen with clip	1 Pc



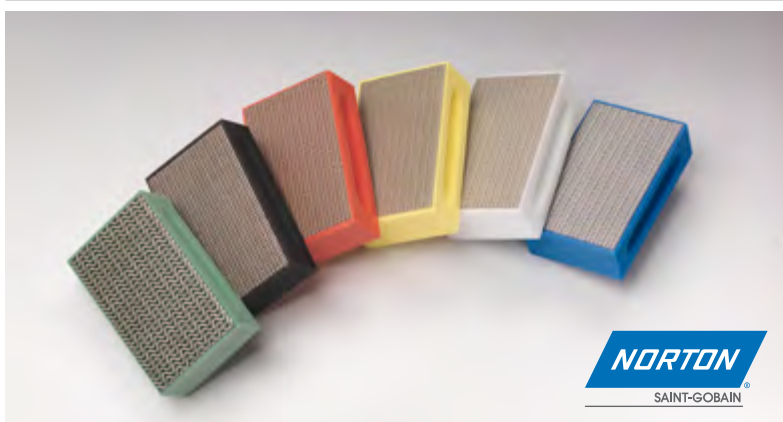
## BELTS FOR AIR SANDERS

Art.	Dimensions	Colour	Grit	Micron	Description	Spacing	Qty
<b>DGS007V</b>	75 mm x 38 mm	green	Diamond 60 mesh	250	very high removal	CP21	1 Pc
<b>DGS011V</b>	50 mm x 42 mm	green	Diamond 60 mesh	250	very high removal	CP21	1 Pc
<b>DGS011N</b>	50 mm x 42 mm	black	Diamond 120 mesh	125	high removal	CP18 or CP21	1 Pc



## ADHESIVE DISC WITH THREE HOLES FOR AIR SANDER

Art.	Dimensions	Colour	Grit	Micron	Description	Spacing	Qty
<b>DGS005V</b>	Ø100 mm	green	Diamond 60 mesh	250	very high removal	CP21	1 Pc
<b>DGS005N</b>	Ø100 mm	black	Diamond 120 mesh	125	high removal	CP18 or CP21	1 Pc
<b>DGS005R</b>	Ø100 mm	red	Diamond 200 mesh	74	medium removal	CP18 or CP21	1 Pc
<b>DGS005G</b>	Ø100 mm	yellow	Diamond 400 mesh	40	finishing	CP18 or CP21	1 Pc
<b>DGS005B</b>	Ø100 mm	white	Diamond 600 mesh	30	excellent finish	CP18 or CP21	1 Pc
<b>DGS006RBG</b>	Ø100 mm	white yellow	Resin 600 mesh	30	polishing	R1	1 Pc



## HAND SANDING PADS

Diamond pads for manual roughing, deburring, finishing with "snakeskin" type pattern, exclusive Saint-Gobain abrasives product.

Ideal for both wet and dry use.

Efficient and lasting removal thanks to the high concentration of high quality diamonds.



Art.	Dimensions	Colour	Grit	Description	Qty
<b>NSG01V</b>	90 mm x 55 mm	green	Diamond 60 mesh	very high removal	1 Pc
<b>NSG03N</b>	90 mm x 55 mm	black	Diamond 120 mesh	high removal	1 Pc
<b>NSG05R</b>	90 mm x 55 mm	red	Diamond 200 mesh	medium removal	1 Pc
<b>NSG07G</b>	90 mm x 55 mm	yellow	Diamond 400 mesh	finishing	1 Pc
<b>NSG09B</b>	90 mm x 55 mm	white	Diamond 800 mesh	excellent finish	1 Pc
<b>NSG11BLU</b>	90 mm x 55 mm	blue	Diamond 1500 mesh	lapping	1 Pc



**DIAMOND BELTS**

Diamond belts for portable machines (Makita) for roughing tasks on very hard materials such as glass, ceramic, and stone. Featuring a "snakeskin" type pattern, exclusive Saint-Gobain abrasives product. The distinctive "snakeskin" structure provides very fast and clean grinding for a longer belt life.

The excellent diamond removal process provides immediate cutting efficiency and no loss of abrasion. The base is very durable and ensures a long service life of the product, even at high pressures.

- Recommended speed: 25 - 32 m/s, max 45 m/s
- Particularly recommended for wet applications (water/emulsion)

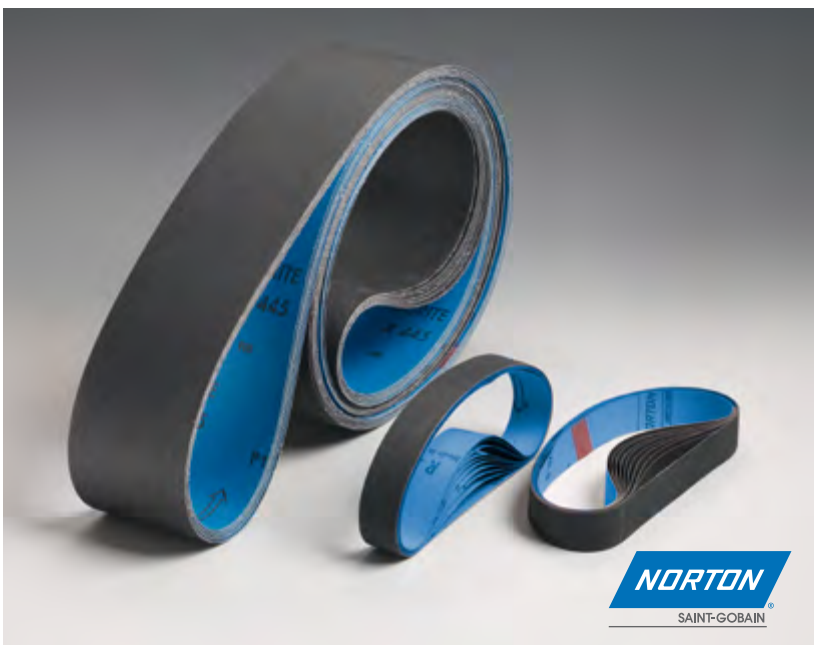


Art.	Dimensions	Grit	Qty
<b>NDSG03</b>	<b>533 x 9 mm</b>	<b>120 mesh</b>	1 Pc
<b>NDSG05</b>	<b>533 x 9 mm</b>	<b>200 mesh</b>	1 Pc
<b>NDSG13</b>	<b>533 x 30 mm</b>	<b>60 mesh</b>	1 Pc

**SILICON CARBIDE BELTS**

These belts are particularly recommended for working on materials that tend to dry-out the belt such as glass, ceramic, wood and non-ferrous materials. The polyester base is suitable for dry and wet applications.

**Backing:** Polyester cloth - **Abrasive:** silicon carbide  
**Coating:** closed - **Bond:** resin/resin- **Colour on abrasive side:** black  
**Grit range:** 36, 40, 80, 120, 150, 220, 320



Art.	Dimensions	Grit	Qty
<b>NSSG03</b>	<b>533 x 9 mm</b>	<b>80 mesh</b>	1 Pc
<b>NSSG05</b>	<b>533 x 30 mm</b>	<b>40 mesh</b>	1 Pc
<b>NSSG07</b>	<b>533 x 30 mm</b>	<b>80 mesh</b>	1 Pc
<b>NSSG09</b>	<b>830 x 70 mm</b>	<b>40 mesh</b>	1 Pc
<b>NSSG11</b>	<b>830 x 70 mm</b>	<b>80 mesh</b>	1 Pc
<b>NSSG13</b>	<b>830 x 70 mm</b>	<b>120 mesh</b>	1 Pc
<b>NSSG15</b>	<b>830 x 70 mm</b>	<b>150 mesh</b>	1 Pc
<b>NSSG17</b>	<b>830 x 70 mm</b>	<b>220 mesh</b>	1 Pc
<b>NSSG19</b>	<b>830 x 70 mm</b>	<b>320 mesh</b>	1 Pc
<b>NSSG37</b>	<b>2400 x 100 mm</b>	<b>80 mesh</b>	1 Pc
<b>NSSG39</b>	<b>2400 x 100 mm</b>	<b>120 mesh</b>	1 Pc
<b>NSSG41</b>	<b>2400 x 100 mm</b>	<b>150 mesh</b>	1 Pc
<b>NSSG43</b>	<b>2400 x 100 mm</b>	<b>220 mesh</b>	1 Pc
<b>NSSG45</b>	<b>2400 x 100 mm</b>	<b>320 mesh</b>	1 Pc
<b>NSSG47</b>	<b>3350 x 100 mm</b>	<b>40 mesh</b>	1 Pc
<b>NSSG49</b>	<b>3350 x 100 mm</b>	<b>80 mesh</b>	1 Pc
<b>NSSG51</b>	<b>3350 x 100 mm</b>	<b>120 mesh</b>	1 Pc
<b>NSSG53</b>	<b>3350 x 100 mm</b>	<b>150 mesh</b>	1 Pc
<b>NSSG55</b>	<b>3350 x 100 mm</b>	<b>220 mesh</b>	1 Pc
<b>NSSG57</b>	<b>3350 x 100 mm</b>	<b>320 mesh</b>	1 Pc



## CORUNDUM BELTS

The ideal solution for sanding glass or deburring metals, the belts feature high durability and a constant cutting capability. Suitable for wet and dry use.

**Backing:** polyester cloth

**Abrasive:** Premium aluminium oxide

**Coating:** closed

**Bond:** resin/resin

**Colour on abrasive side:** brick red

**Grit range:** 150, 220, 320, 400



Art.	Dimensions	Grit	Qty
<b>NCSG09</b>	<b>533 x 30 mm</b>	<b>150 mesh</b>	1 Pc
<b>NCSG11</b>	<b>533 x 30 mm</b>	<b>220 mesh</b>	1 Pc
<b>NCSG17</b>	<b>830 x 70 mm</b>	<b>150 mesh</b>	1 Pc
<b>NCSG19</b>	<b>830 x 70 mm</b>	<b>220 mesh</b>	1 Pc
<b>NCSG21</b>	<b>830 x 70 mm</b>	<b>320 mesh</b>	1 Pc
<b>NCSG23</b>	<b>830 x 70 mm</b>	<b>400 mesh</b>	1 Pc

## CORK BELTS

Belts for mirror pre-polishing and glass finishing, can be used for both wet and dry applications thanks to the waterproofing treatment (waterproof cotton cloth). Uniform and constant finish throughout the life of the product.

**Backing:** waterproof cotton cloth

**Abrasive:** cork

**Coating:** closed

**Bond:** resin/resin

**Colour on abrasive side:** ochre



Art.	Dimensions	Qty
<b>NSU007</b>	<b>533 x 30 mm</b>	1 Pc
<b>NSU001</b>	<b>830 x 70 mm</b>	1 Pc
<b>NSU002</b>	<b>1100 x 100 mm</b>	1 Pc
<b>NSU004</b>	<b>2400 x 100 mm</b>	1 Pc
<b>NSU005</b>	<b>3350 x 100 mm</b>	1 Pc



**SILICON CARBIDE BELTS CH**

Silicon carbide is produced in an electric furnace to reduce silicon with carbon. It is very hard and has good toughness. Excellent for working with very hard products such as stone, ceramic, and glass. **CH mark on belt.** Working with very high pressures. Belt does not require the use of coolant, so it can also be used dry. **Recommended speed:** 10 - 20 m/sec. **Grit:** 36-40-80



Art.	Dimensions	Grit	Qty
<b>NCH03</b>	<b>533 x 30 mm</b>	<b>40 mesh</b>	<b>1 Pc</b>
<b>NCH05</b>	<b>533 x 30 mm</b>	<b>80 mesh</b>	<b>1 Pc</b>
<b>NCH07</b>	<b>830 x 70 mm</b>	<b>40 mesh</b>	<b>1 Pc</b>
<b>NCH09</b>	<b>830 x 70 mm</b>	<b>80 mesh</b>	<b>1 Pc</b>
<b>NCH12</b>	<b>1100 x 100 mm</b>	<b>40 mesh</b>	<b>1 Pc</b>
<b>NCH14</b>	<b>1100 x 100 mm</b>	<b>80 mesh</b>	<b>1 Pc</b>
<b>NCH17</b>	<b>1620 x 100 mm</b>	<b>80 mesh</b>	<b>1 Pc</b>
<b>NCH19</b>	<b>2400 x 100 mm</b>	<b>40 mesh</b>	<b>1 Pc</b>
<b>NCH21</b>	<b>2400 x 100 mm</b>	<b>80 mesh</b>	<b>1 Pc</b>
<b>NCH25</b>	<b>3350 x 100 mm</b>	<b>80 mesh</b>	<b>1 Pc</b>

**SILICON CARBIDE BELTS CW**

Silicon carbide is produced in an electric furnace to reduce silicon with carbon. It is very hard and has good toughness. Excellent for working with very hard products such as stone, ceramic, and glass. **CW mark on belt.** Finishing work. Waterproof belt to be used with coolant. **Recommended speed:** 10 - 20 m/sec. **Grit:** 120-150-220-320



Art.	Dimensions	Grit	Qty
<b>NCW26</b>	<b>830 x 70 mm</b>	<b>120 mesh</b>	<b>1 Pc</b>
<b>NCW27</b>	<b>830 x 70 mm</b>	<b>150 mesh</b>	<b>1 Pc</b>
<b>NCW28</b>	<b>830 x 70 mm</b>	<b>220 mesh</b>	<b>1 Pc</b>
<b>NCW44</b>	<b>1620 x 100 mm</b>	<b>150 mesh</b>	<b>1 Pc</b>
<b>NCW49</b>	<b>2400 x 100 mm</b>	<b>120 mesh</b>	<b>1 Pc</b>
<b>NCW50</b>	<b>2400 x 100 mm</b>	<b>150 mesh</b>	<b>1 Pc</b>
<b>NCW53</b>	<b>3350 x 100 mm</b>	<b>120 mesh</b>	<b>1 Pc</b>
<b>NCW54</b>	<b>3350 x 100 mm</b>	<b>150 mesh</b>	<b>1 Pc</b>
<b>NCW55</b>	<b>3350 x 100 mm</b>	<b>220 mesh</b>	<b>1 Pc</b>

**CORUNDUM BELTS**

Corundum is an aluminium oxide created artificially in electric furnaces. It combines good hardness with high toughness. **2AF mark on belt.** Medium-light working. Flexible belt for dry use. **Recommended speed:** 10 - 20 m/sec. **Grit:** 150-220-320-400



Art.	Dimensions	Grit	Qty
<b>N2AF64</b>	<b>533 x 30 mm</b>	<b>150 mesh</b>	<b>1 Pc</b>
<b>N2AF65</b>	<b>533 x 30 mm</b>	<b>220 mesh</b>	<b>1 Pc</b>
<b>N2AF67</b>	<b>533 x 30 mm</b>	<b>320 mesh</b>	<b>1 Pc</b>
<b>N2AF69</b>	<b>533 x 30 mm</b>	<b>400 mesh</b>	<b>1 Pc</b>
<b>N2AF70</b>	<b>830 x 70 mm</b>	<b>150 mesh</b>	<b>1 Pc</b>
<b>N2AF71</b>	<b>830 x 70 mm</b>	<b>220 mesh</b>	<b>1 Pc</b>
<b>N2AF72</b>	<b>830 x 70 mm</b>	<b>320 mesh</b>	<b>1 Pc</b>
<b>N2AF73</b>	<b>830 x 70 mm</b>	<b>400 mesh</b>	<b>1 Pc</b>
<b>N2AF75</b>	<b>1100 x 100 mm</b>	<b>220 mesh</b>	<b>1 Pc</b>



**CERIUM OXIDE > 95%**

- Aspect: white
- REO: ≥ 90%
- CeO<sup>2</sup> /REO: > 95%
- Average particle size: 3.0 μm
- pH 7
- Density 6.3 g/cm<sup>3</sup>
- Pack 5 kg

Art.	Package	Qty
<b>OSS95</b>	5 kg	1 Pc



**CORUNDUM FOR SANDBLASTING**

Red-brown corundum is made from an aluminium oxide and has excellent toughness and abrasive capacity on all types of materials.

It is particularly well suited for sandblasting with recycling, especially for its high impact resistance. The different particle sizes allow users to select the preparation grade to suit any requirements. Red-brown corundum does not contain free silica.

**TECHNICAL PROPERTIES**

- Type:** Red-brown corundum
- Mohs hardness scale:** 9
- Knoop hardness scale:** 2400 - 2500 kg/mm<sup>2</sup>
- Bulk density:** 1.8 g/mm<sup>3</sup>
- Melting point:** 1900°C
- Solubility in water:** Insoluble
- ISO 9002 CERTIFIED QUALITY**

Art.	Grit	Qty
<b>SABB1</b>	80 mesh	25 kg
<b>SABB2</b>	100 mesh	25 kg
<b>SABB3</b>	120 mesh	25 kg
<b>SABB4</b>	150 mesh	25 kg



**TESA MASKING TAPE**

**TECHNICAL PROPERTIES 4423**

- Backing type:** smooth paper
- Type of adhesive:** natural rubber
- Total thickness (µm):** 145
- Adhesiveness N/cm:** 4.5
- Tensile strength N/cm:** 57
- % elongation at break:** 5
- Temperature resistance max. °C short periods:** 60

**TECHNICAL PROPERTIES 4432**

- Backing type:** smooth paper
- Type of adhesive:** natural rubber
- Total thickness (µm):** 330
- Adhesiveness N/cm:** 8
- Tensile strength N/cm:** 93
- % elongation at break:** 6
- Temperature resistance max. °C short periods:** 100

Art.	Description	Dimensions	Qty
<b>CAR001</b>	<b>Average thickness 4423</b>	<b>100 mm x 50 m</b>	<b>1 Pc</b>
<b>CAR002</b>	<b>Average thickness 4423</b>	<b>150 mm x 50 m</b>	<b>1 Pc</b>
<b>CAR003</b>	<b>Average thickness 4423</b>	<b>250 mm x 50 m</b>	<b>1 Pc</b>
<b>CAR004</b>	<b>High thickness 4432</b>	<b>150 mm x 25 m</b>	<b>1 Pc</b>
<b>CAR006</b>	<b>High thickness 4432</b>	<b>300 mm x 25 m</b>	<b>1 Pc</b>



**MSK 1100 MASKING TAPE**

Smooth paper masking tape  
 Good adhesiveness even on different surfaces, does not leave adhesive residue on surfaces when removed. Smooth impregnated paper.  
 Minimum difference in application thickness.  
 High breaking strength.  
 Applications: high-strength masking tape, used for manual sandblasting.

**TECHNICAL PROPERTIES**

- Backing:** smooth white impregnated paper, 95 g/m<sup>2</sup>
- Adhesive:** natural rubber and resin
- Total thickness:** 0.150 mm
- Adhesiveness on steel:** 6 N/25 mm
- Breaking load:** 185 N/25 mm
- Elongation at break:** 4%
- Temperature resistance:** 80°C

Art.	Dimensions	Qty
<b>CAR021</b>	<b>50 mm x 50 m</b>	<b>1 Pc</b>
<b>CAR022</b>	<b>100 mm x 50 m</b>	<b>1 Pc</b>
<b>CAR024</b>	<b>150 mm x 50 m</b>	<b>1 Pc</b>
<b>CAR026</b>	<b>200 mm x 50 m</b>	<b>1 Pc</b>
<b>CAR028</b>	<b>250 mm x 50 m</b>	<b>1 Pc</b>



**SANDBLAST 80**

Material: vinyl  
 Thickness: 0.08 mm  
 Suitable for light sandblasting  
 Colour: matt black

Art.	Roll dimensions	Qty
<b>FC8061</b>	<b>610 mm x 50 m</b>	<b>1 Pc</b>

**SANDBLAST 280 soft**

Material: vinyl  
 Thickness: 0.28 mm soft type  
 Suitable for deep sandblasting  
 Colour: blue

Art.	Roll dimensions	Qty
<b>FC28061</b>	<b>610 mm x 25 m</b>	<b>1 Pc</b>



**APPLICATION TAPE**

Material: vinyl  
 Application tape for vinyl design on glass  
 Colour: transparent

Art.	Roll dimensions	Thickness	Qty
<b>FCAT15061</b>	<b>610 mm x 100 m</b>	<b>0.15 mm</b>	<b>1 Pc</b>



**ALUMINIUM CUTTER**

Art.	Description	Qty
<b>CUT003</b>	Aluminium cutter + 3 spare blades	1 Pc
<b>CUT004</b>	3 spare blades	1 Pc



**Pro.Glass® Matt 113**

Pro.Glass® Matt 113 from Nanogate protects etched or sandblasted glass from fingerprints and other types of hard-to-remove dirt. Before coating the surfaces, they must be clean, dry and free from oily or silicone residue. The product must be applied to the glass using a clean cloth; after a few minutes the excess material must be polished using a microfibre sponge. Around 15-20 g/m<sup>2</sup> is required. Glass treated with Pro.Glass® Matt 113 has a higher and more long-lasting resistance to abrasion, hydrolysis and UV rays. The treatment makes the surfaces easier to clean with normal household cleaners.

Art.	Description	Qty
<b>PROG28</b>	Pro.Glass® Matt 113 - 400 g	1 Pc
<b>PROG30</b>	Microfibre sponge	1 Pc

**MERLIN LAZER MEASURING DEVICE**

For general glass analysis, with precision plastic housing, diode laser with sophisticated electronic measurement, non-hazardous class 2/3A laser. Press the button for immediate measurement, precise measuring from one side only (regardless of the light), measures both the thickness of the glass and the air chamber of any double-glazing unit, indicates PVB and layers of resin of the bonded unit. Battery-operated, low energy consumption, for coated, bullet-proof, laminated insulating glass, etc.

Art.

**NML10**

Qty

1 Pc

**MERLIN LAZER TEMPERATED GLASS INDICATOR**

With battery charger, rechargeable battery, and leather case. Suitable also for double-glazing.



Art.

**NML12**

Qty

1 Pc

**MERLIN LAZER LOW-E DETECTOR**

For individual panes of glass or double-glazing composed of panes with thickness between 4-10 mm.

For double-glazing, measurements must be taken on both sides.



Art.

**NML14**

Qty

1 Pc



### GLASS ANALYSIS KIT

Contents of the kit:

- ABS case with shock-resistant sponge protection
- Merlin Lazer measuring device
- Merlin Lazer tempered glass indicator
- Merlin Lazer low-E detector

Art.

**NMLKIT18**

Qty

1 Pc

# SUCTION LIFTERS





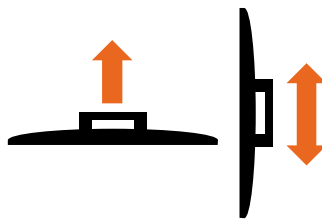
By creating a vacuum zone on contact with a smooth surface, suction lifters are able to attach themselves to the surface, providing a useful hold for lifting and handling objects. The vacuum zone can be created by lever mechanisms or pumps which remove a quantity of air from the surface below the cup. The lifting capacity of suction lifters increases as a function of the contact surface area and the friction coefficient between the surfaces.

The recommended values for using our suction lifters have been calculated on the basis of detailed analysis and trials conducted at the Scientific laboratory of buildings and materials testing at the Civil engineering and environmental department at the University of Florence.

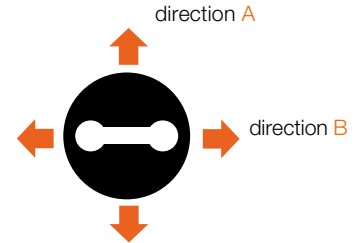
The tests, specifically those studying the anchoring capacity of suction cups on panes of glass, have been performed in an environment which replicates the normal operating conditions of the devices (temperature, humidity and cleanliness), taking several factors into consideration:



glass treatments:  
annealed, toughened or tempered



vertical lifting action  
or sideways sliding



direction of sliding in relation to position of the handle

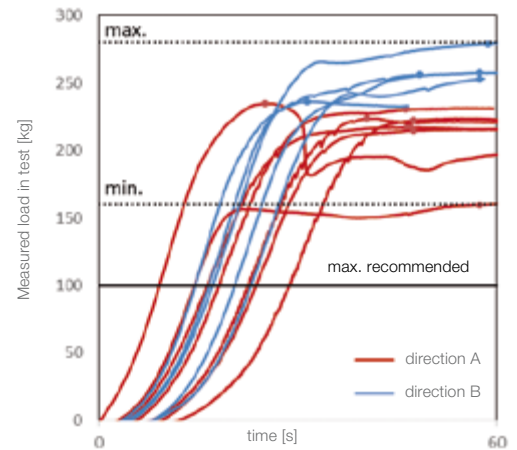
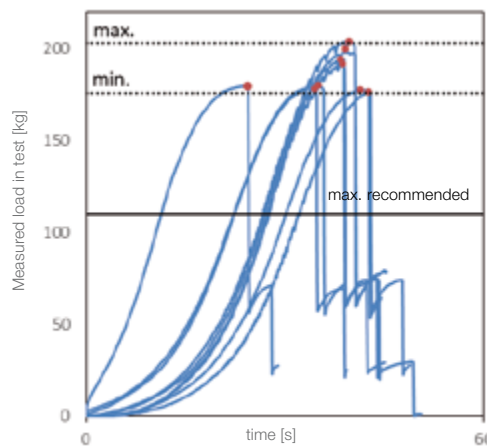


lifting tests

sliding tests

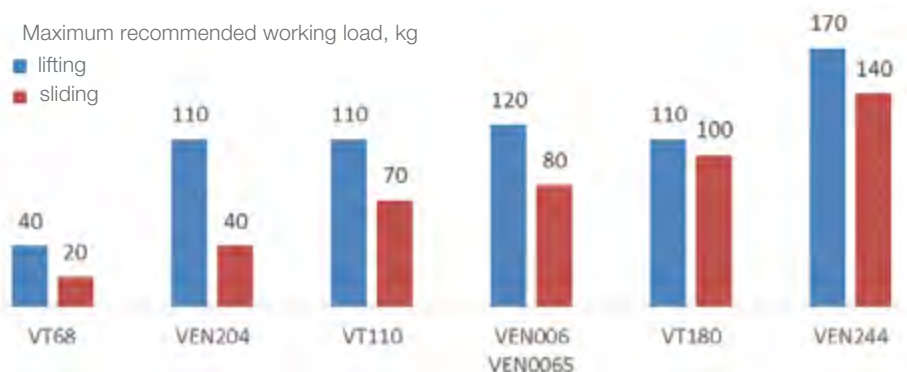
Thanks to the extensive testing, the recommended safe working values for normal operating conditions have been calculated: for each device, under different conditions of use, the recommended value represents the minimum measured value, reduced by a safety coefficient of 1.5.

For example, the test values obtained for the VT180 triple suction lifter are shown, indicating the maximum and minimum load values measured and the maximum recommended load:



Maximum recommended working load, kg

- lifting
- sliding





**Recommendations for use:** The suction cups can be used for lifting and moving items with a smooth surface, such as panes of glass, plastic sheets, metal sheets, smooth marble, smooth tiles or painted surfaces. However, the functioning of the suction cups is compromised by the presence of rough or porous surfaces or those which allow air to flow from the outside into the vacuum area. Before using the suction cups, it is important to check that the surfaces have not been contaminated by lubrication agents such as petrol, oil, or other petroleum derivatives, that the suction cup is correct for the weight of the pane to be lifted and that the suction cup is intact. Ozone in the air can have a negative effect. **UNI EN 13155**

**For safe use, it is recommended that:**

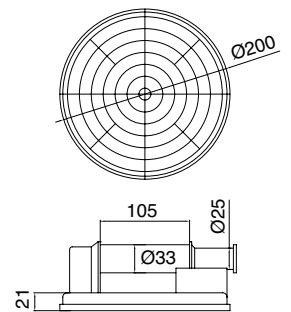
- the surfaces around the suction cup contact area are cleaned and degreased;
- checks are made to ensure that the suction cup surfaces are clean of powder or traces of oil and that there are no scratches or cuts in the rubber at the contact interface;
- the suction cup rubber is kept away from petrol and other petroleum derivatives;
- the suction cup rubber is replaced every 3 years, even if not used.



**PUMP SUCTION LIFTER WITH VACUUM METER**

With hard plastic box  
Suction cup material: vulcanised natural rubber

Recommended maximum load\*



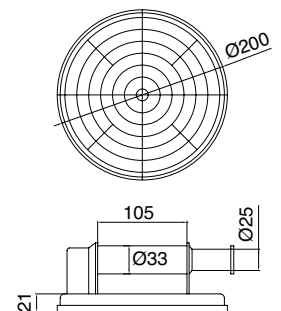
Art.	Description	Qty
<b>VEN0065</b>	Suction cup Ø200 mm	1 Pc
<b>VEN0068</b>	Spare piston	1 Pc



**PUMP SUCTION LIFTER**

With hard plastic box  
Suction cup material: vulcanised natural rubber

Recommended maximum load\*



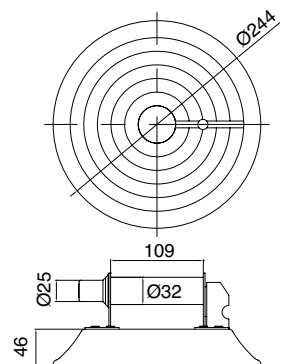
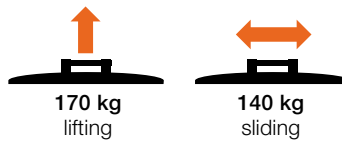
Art.	Description	Qty
<b>VEN006</b>	Suction cup Ø200 mm	1 Pc
<b>VEN0068</b>	Spare piston	1 Pc



**PUMP SUCTION LIFTER 244**

Suction cup material: black NBR rubber

Recommended maximum load\*



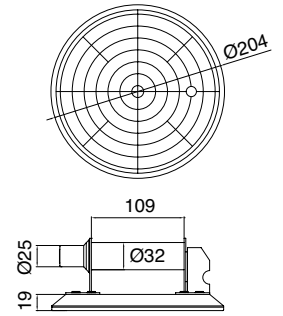
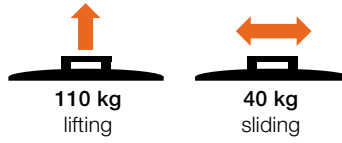
Art.	Description	Qty
<b>VEN244</b>	Suction cup Ø244 mm	1 Pc



**PUMP SUCTION LIFTER 204**

Suction cup material: black NBR rubber

Recommended maximum load\*

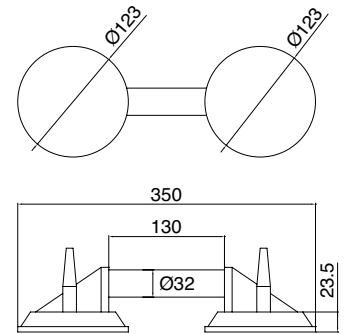


Art.	Description	Qty
<b>VEN204</b>	Suction cup Ø204 mm	1 Pc

**DOUBLE SUPER SUCTION LIFTER**

Material: die cast aluminium and rubber

Recommended maximum load\*

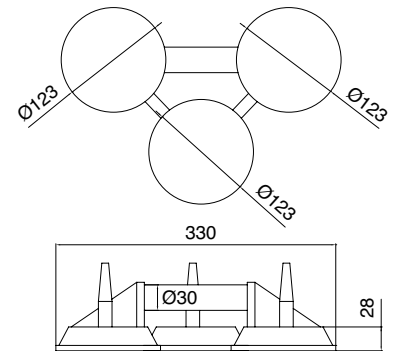


Art.	Description	Qty
<b>VT110</b>	Suction cup Ø123 mm	1 Pc

**TRIPLE SUPER SUCTION LIFTER**

Material: die cast aluminium and rubber

Recommended maximum load\*



Art.	Description	Qty
<b>VT180</b>	Suction cup Ø123 mm	1 Pc

**SPARE PARTS FOR SUPER SUCTION LIFTERS**

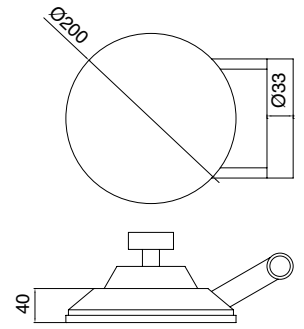
Art.	Description	Qty
<b>VT03</b>	Set made of: 1 rubber cup, 1 lever, 1 plate, 1 socket	1 Pc



**SUCTION LIFTER WITH CONTROL KNOB AND VACUUM METER**

Material: die cast aluminium and rubber

Recommended maximum load\*



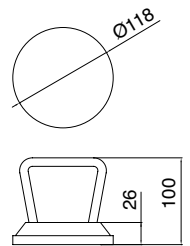
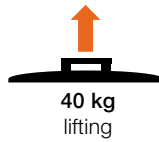
Art.	Description	Qty
<b>VEN004</b>	Suction cup Ø200 mm	1 Pc
<b>VEN009</b>	Spare knob -	1 Pc



**SINGLE SUCTION LIFTER**

Material: plastic and rubber

Recommended maximum load\*



Art.	Description	Qty
<b>VT35</b>	Suction cup Ø118 mm	1 Pc

\*the minimum operating limit indicated by the vacuum meter or the safety indicator on the pump body



**INDIA RUBBER PADS**

Note: this is not a safety product; it is an auxiliary device to be used with safety gloves.

Art.	Dimensions	Qty
<b>PALM001</b>	152 mm x 175 mm x 3 mm	1 Pc



**PAIR OF FABRIC AND RUBBER GLOVES**

Gloves offering protection against mechanic hazards, aerated back.



**EN 388 mechanical hazards**

The pictogram is followed by 6 performance levels.

If there is an "X" in place of the number

it means that the glove has not been tested for this application.

a	b	c	d	e	f
abrasion resist- ance [no. cycles]	blade cut resist- ance [index]	tear strength [Newton]	resistance to per- foration [Newton]	ISO cut resistance [Newton]	EN impact pro- tection
1 100 cycles	1 1.2	1 10	1 20	a 2	P Passed
<b>2 800 cycles</b>	<b>2 2.5</b>	2 25	2 60	b 5	X
3 2000 cycles	3 5.0	3 50	<b>3 100</b>	c 10	
4 8000 cycles	4 10.0	<b>4 75</b>	4 150	d 15	
	5 20.0			e 22	
				f 30	

Art.	Size	Qty
<b>GUA2243-M</b>	<b>8</b>	1 Pc
<b>GUA2243-L</b>	<b>9</b>	1 Pc
<b>GUA2243-XL</b>	<b>10</b>	1 Pc



**PAIR OF GLOVES**

Gloves offering protection against mechanical hazards, cut-resistant and non-slip



**EN 388 mechanical hazards**

The pictogram is followed by one of 6 performance levels.

If there is an "X" in place of the number

it means that the glove has not been tested for this application.

a	b	c	d	e	f
abrasion resist- ance [no. cycles]	blade cut resist- ance [index]	tear strength [Newton]	resistance to per- foration [Newton]	ISO cut resistance [Newton]	EN impact pro- tection
1 100 cycles	1 1.2	1 10	1 20	a 2	P Passed
2 800 cycles	2 2.5	2 25	2 60	b 5	X
3 2000 cycles	3 5.0	3 50	<b>3 100</b>	c 10	
<b>4 8000 cycles</b>	4 10.0	<b>4 75</b>	4 150	d 15	
	5 20.0			e 22	
				f 30	

Art.	Size	Qty
<b>GUA4543-M</b>	<b>8</b>	1 Pc
<b>GUA4543-L</b>	<b>9</b>	1 Pc
<b>GUA4543-XL</b>	<b>10</b>	1 Pc



**APRONS**



GREMPELL001

Art.	Material	Dimensions	Qty
<b>GREMPELL002</b>	Waxed canvas	<b>1100 mm x 700 mm</b>	1 Pc
<b>GREMPELL001</b>	Crust leather	<b>500 x 700 mm</b>	1 Pc

GREMPELL002



**FAT MAX TAPE MEASURE**

New smaller ergonomic non-slip bi-material casing.  
Tape width 32 mm, ensuring a high degree of rigidity and longevity, with Mylar® coating. Special hook for attaching to the top or bottom face.  
Anti-corrosion 3-rivet hook - reinforced spring.  
The first 10 cm of the tape are fully coated with the Blade Armor™ film.  
Fastening hook.

Art.	Dimensions	Qty
<b>NMETS5</b>	5 m	1 Pc



**POWER LOCK CLASSIC TAPE MEASURE**

19 mm tape with Mylar coating.  
Measurements can be read on the window on the top.

Art.	Dimensions	Qty
<b>NMETS7</b>	5 m	1 Pc



**PANORAMIC TAPE MEASURE**

Synthetic material casing with metal plate at the bottom.  
Measurements can be read on the window on the top.

Art.	Dimensions	Qty
<b>NMETS8</b>	3 m	1 Pc



**METRIC TAPE MEASURE**

- Does not bend up to 3 m in height
- Extra large 25 mm tape
- Giant numbering
- Moveable hook for internal and external measurement

Art.	Dimensions	Qty
<b>NMET001</b>	3 m	1 Pc
<b>NMET002</b>	5 m	1 Pc
<b>NMET003</b>	8 m	1 Pc



**TESA® ACX<sup>plus</sup> DOUBLE-SIDED TAPE**

Transparent double-sided tape for fixing of glass, steel and aluminium. The paper liner makes manual application of the tape easier. Solid, high performance backing with excellent viscoelastic properties and high bonding power, dissipation of static and dynamic stresses, plus high resistance to temperatures, humidity, UV rays, and chemical agents. Maximum operating temperature 100°C; peak temperature 200°C (max. 20 minutes). Recommended for glass/glass and glass/metal bonding: ideal for compensating different thermal expansions without losing strength. To achieve the best performance, it is recommended to prepare the application surfaces using the specific adhesion promoter, Art. TS100

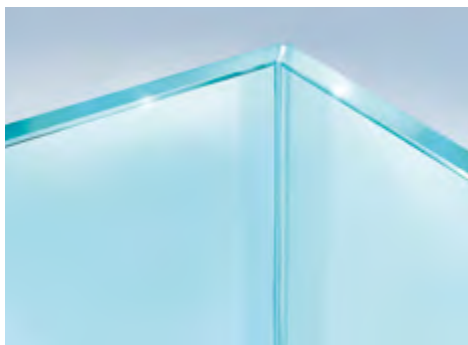
**Bonding strength**

Support	Initial bonding strength	Bonding strength after 72 hours
Glass	16 N/cm	24 N/cm
Steel	15 N/cm	24 N/cm
Aluminium	13 N/cm	24 N/cm

**Glass/glass junctions**



**In-line junction**



**90° junction**



**T-junction**

Art.	Dimensions	Thickness	Qty
<b>TS250065</b>	6 mm x 25 m	0.5 mm	1 Pc
<b>TS25006</b>	6 mm x 25 m	1 mm	1 Pc
<b>TS25009</b>	9 mm x 25 m	1 mm	1 Pc
<b>TS250125</b>	12 mm x 25 m	0.5 mm	1 Pc
<b>TS25012</b>	12 mm x 25 m	1 mm	1 Pc
<b>TS250155</b>	15 mm x 25 m	0.5 mm	1 Pc
<b>TS25019</b>	19 mm x 25 m	1 mm	1 Pc



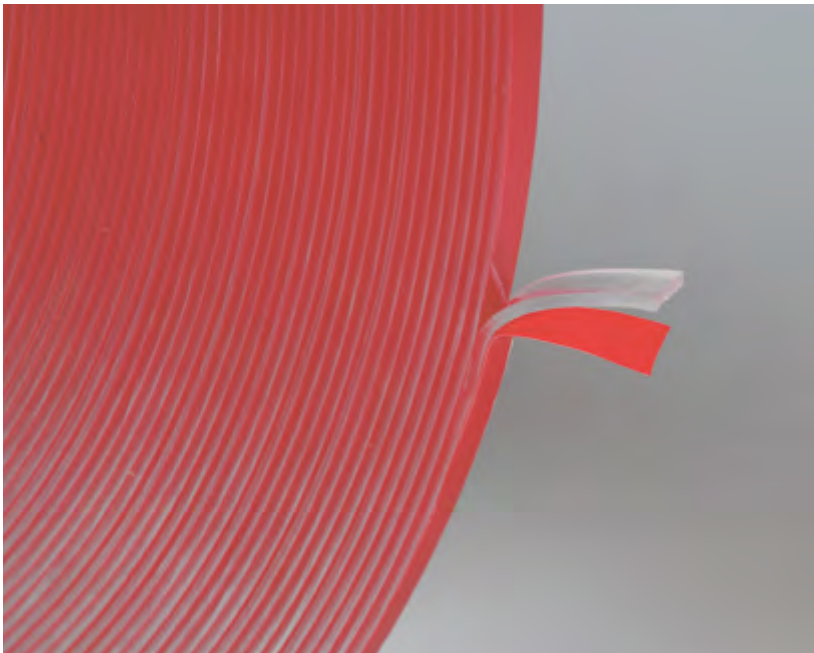
**ADHESION PROMOTER TS100**

Adhesion promoter for Tesa® ACX<sup>plus</sup> double-sided tape, specifically for application on glass.  
 Mixture of isopropyl alcohol and silane.  
 Increases bonding power and eliminates surface moisture.  
 Always clean surfaces from powder and greasy residues.  
 Apply the product and wait at least 30 seconds for the solvent to evaporate.  
 The application time for the double-sided tape is between 5 and 15 minutes after application of the activator.

Art.	Package	Qty
<b>TS100</b>	100 ml	1 Pc

**APPLICATION TECHNIQUE FOR ALL DOUBLE-SIDED AND SINGLE-SIDED ADHESIVE TAPES**

- 1 The bonding strength depends on the contact surfaces. Sufficient application pressure ensures optimum adhesion.
- 2 To achieve the strongest bond, the surfaces to be joined must be dry and smooth.  
Typical solvents which can be used include an isopropyl alcohol and water solution, or heptane.  
Ensure the precautions for use of all solvents are scrupulously observed.
- 3 Apply the tape at a temperature of between 20°C and 40°C.  
Application temperatures of less than 10°C are not recommended because the adhesive becomes too rigid.  
Low temperatures do not matter after application.
- 4 In some cases, the bonding time can be accelerated by heading the application surface to a temperature of approximately 65°C for one hour.  
This provides a better application of the adhesive.

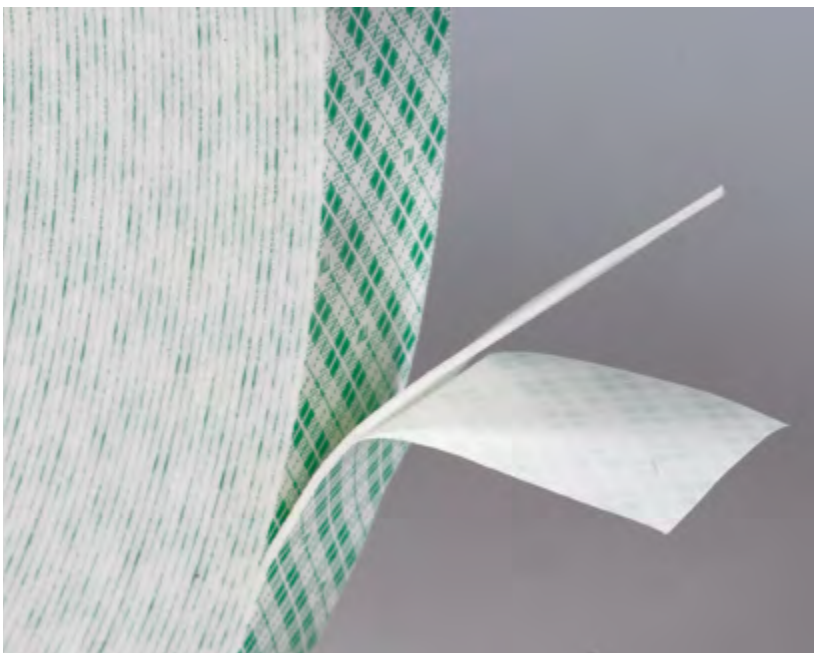
**3M DOUBLE-SIDED TAPE****Applications:** sealing of glass with resin**Technical properties:**

Transparent

Red plastic film liner

Tensile strength on aluminium,  
at ambient temperature, bonding area 6.45 cm<sup>2</sup>,  
jaw speed 50 mm/min. : 69 N/cm<sup>2</sup>Static shear load held by 3.23 cm<sup>2</sup> of adhesive  
for 10,000 minutes at 93°C: 500g**UV resistance:** excellent**Adhesiveness on steel:** 26 N/cm**Cutting tolerance:** +/- 8 mm**Temperature resistance:** continuous 93°C  
short periods 149°C

Art.	Dimensions	*Thickness	Qty
<b>3M4910F</b>	<b>5 mm x 33 m</b>	<b>1 mm ±10%</b>	<b>1 Pc</b>

**3M SCOTCH-MOUNT DOUBLE-SIDED TAPE****Applications:** Where a lasting high mechanical strength is required**Backing:** polyurethane open-cell foam**Bonding system:** rigid acrylic**Tape colour:** white Liner treated paper with green tartan print**Technical properties:**Tensile strength on aluminium, at ambient temperature, bonding  
area 6.45 cm<sup>2</sup>,jaw speed 50 mm/min. : 41.3 N/cm<sup>2</sup>Static shear load held by 3.23 cm<sup>2</sup> of adhesive  
for 100 hours at 93°C: 1000g**UV resistance:** excellent**Elongation at break:** 90%

Art.	Dimensions	*Thickness	Qty
<b>3M4032</b>	<b>25 mm x 66 m</b>	<b>0.8 mm</b>	<b>1 Pc</b>



**DOUBLE-SIDED TAPE TWT 1702**

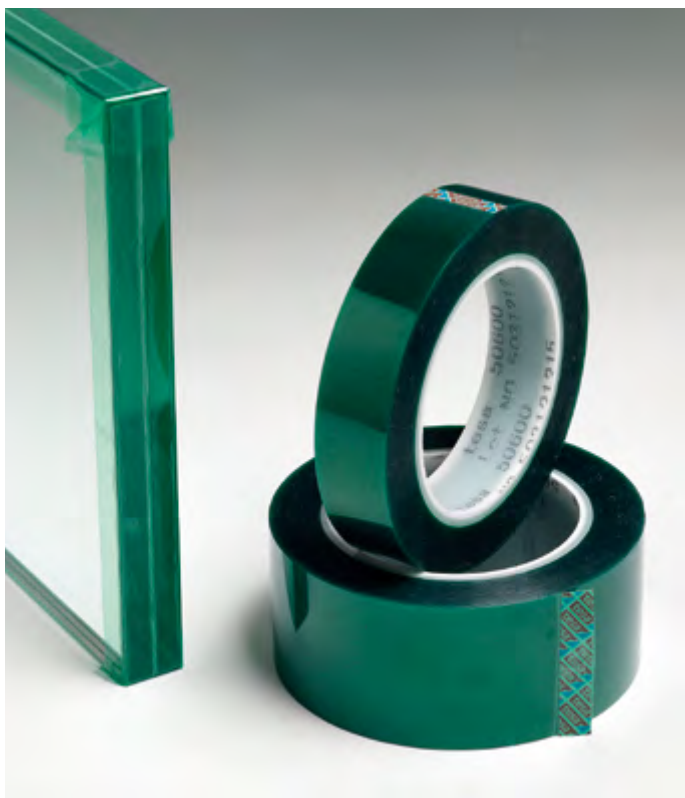
**Technical note:** white polyethylene closed-cell foam with pressure-sensitive synthetic India rubber based adhesive on both sides.

Adhesive results	Average values		Method used
	Side 1	Side 2	
180° peel adhesion - 30 mins (N/25 mm) on stainless steel	> 20	> 20	FTM1 (ASTM D 903)
Bonding test			
900 g - 25 mm x 25 mm (hours)	+ 1000	+ 1000	FTM8
<b>Tape properties</b>			
Tensile strength (N/15 mm)	MD 14		DIN 53455
	CD 10		
Elongation at break	MD350		DIN 53455
Density	100 kg/m <sup>3</sup>		
<b>Protection</b>			
White paper super calendered	90 g/m <sup>2</sup>		ISO 536
<b>Heat resistance</b>			
Application temperature range	+10°C/+60°C		
Operating temperature range	-20°C/+60°C		

**Chemical resistance**  
Resistance to water and detergents. Not recommended for applications which involve contact with aliphatic and aromatic solvents

**Storage**  
Two years, if kept at a temperature between 15 and 25°C and at 50% humidity

Art.	Dimensions	Thickness	Qty
<b>BIA001</b>	<b>19 mm x 66 m</b>	<b>0.8 mm</b>	1 Pc
<b>BIA002</b>	<b>25 mm x 66 m</b>	<b>0.8 mm</b>	1 Pc
<b>BIA003</b>	<b>25 mm x 33 m</b>	<b>1.6 mm</b>	1 Pc



**SEALING TAPE**

Green polyester/silicone sealing tape

**Product description:**

A green sealing tape for high temperatures made of a polyester backing and a silicone adhesive.

**Properties and benefits:**

- Easy to apply and remove
- High temperature resistance, up to 220°C (30 mins)
- Very easy to remove without leaving residue

**Technical data:**

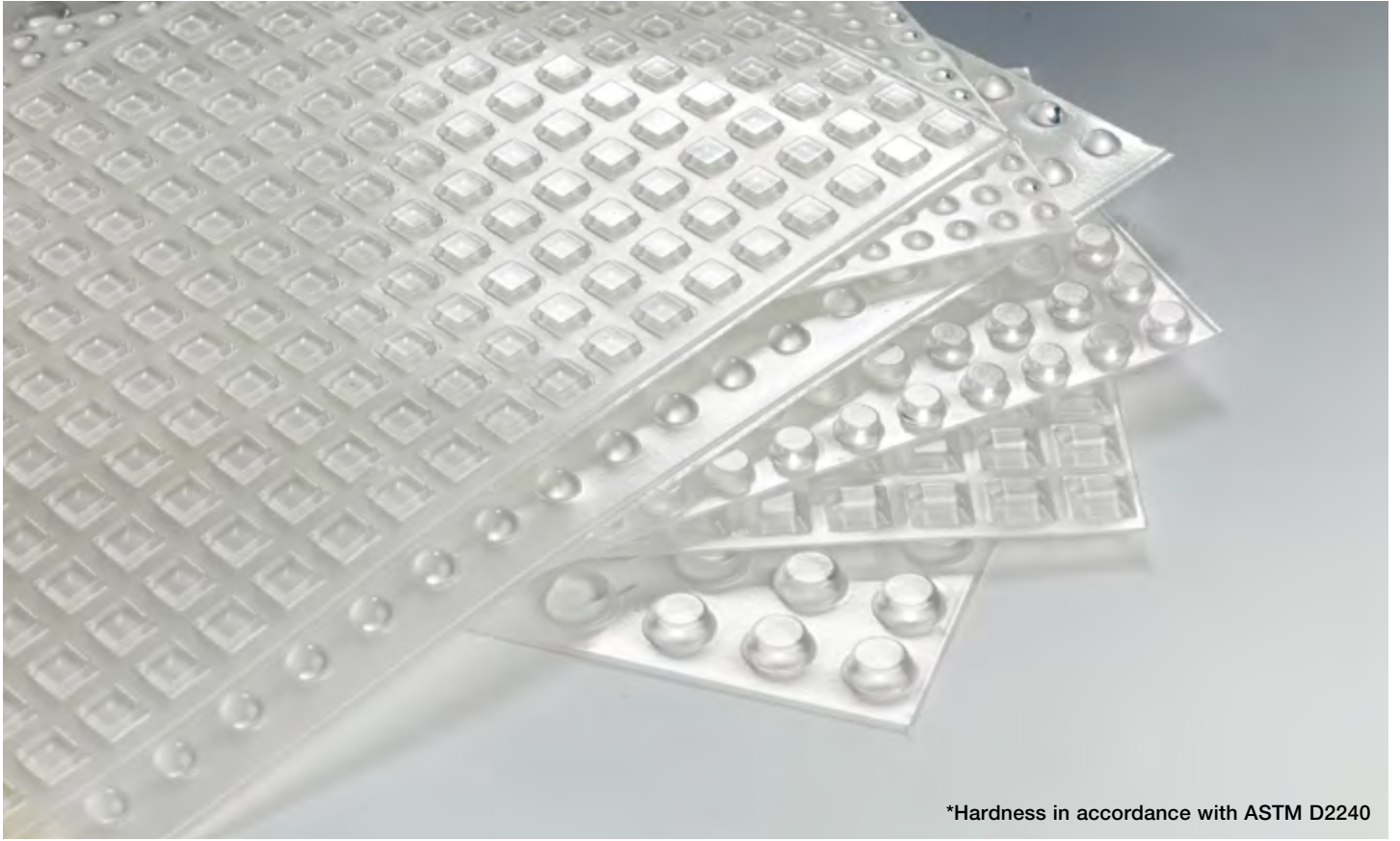
Support	PET
Total thickness	50 µm
Type of adhesive	silicone
Adhesive strength on steel	3 N/cm
Elongation at break	100%
Breaking strength	70 N/cm
Temperature resistance	200°C

Art.	Dimensions	Qty
<b>SGH15</b>	<b>15 mm x 66 m</b>	1 Pc
<b>SGH20</b>	<b>20 mm x 66 m</b>	1 Pc
<b>SGH25</b>	<b>25 mm x 66 m</b>	1 Pc
<b>SGH30</b>	<b>30 mm x 66 m</b>	1 Pc
<b>SGH50</b>	<b>50 mm x 66 m</b>	1 Pc

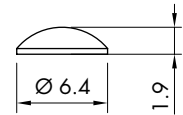
**ADHESIVE PROTECTORS**

Material: polyurethane, self-adhesive, acrylic quick-setting glue

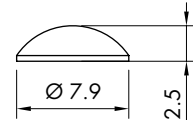
Resistant to UV rays, does not turn yellow - Colour: transparent



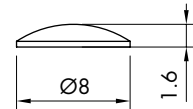
\*Hardness in accordance with ASTM D2240

**ROUND ADHESIVE PROTECTORS**

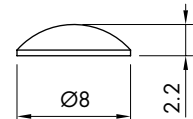
Art.	Pcs per sheet	Hardness*	Qty
<b>GOC001</b>	<b>561</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>

**ROUND ADHESIVE PROTECTORS**

Art.	Pcs per sheet	Hardness*	Qty
<b>GOC005</b>	<b>392</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>

**ROUND ADHESIVE PROTECTORS**

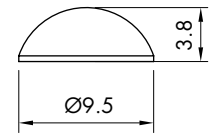
Art.	Pcs per sheet	Hardness*	Qty
<b>GOC006</b>	<b>420</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>

**ROUND ADHESIVE PROTECTORS**

Art.	Pcs per sheet	Hardness*	Qty
<b>GOC007</b>	<b>392</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>



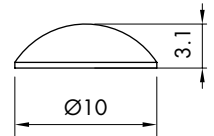
**ROUND ADHESIVE PROTECTORS**



Art.	Pcs per sheet	Hardness*	Qty
<b>GOC002</b>	<b>288</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>



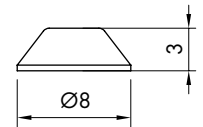
**ROUND ADHESIVE PROTECTORS**



Art.	Pcs per sheet	Hardness*	Qty
<b>GOC008</b>	<b>288</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>



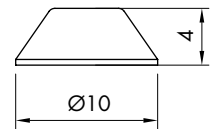
**HALF ROUND ADHESIVE PROTECTORS**



Art.	Pcs per sheet	Hardness*	Qty
<b>GOC009</b>	<b>288</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>



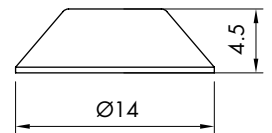
**HALF ROUND ADHESIVE PROTECTORS**



Art.	Pcs per sheet	Hardness*	Qty
<b>GOC010</b>	<b>242</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>



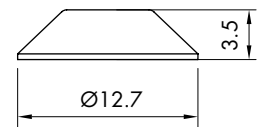
**HALF ROUND ADHESIVE PROTECTORS**



Art.	Pcs per sheet	Hardness*	Qty
<b>GOC011</b>	<b>128</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>



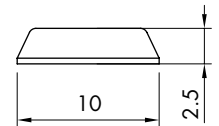
**HALF ROUND ADHESIVE PROTECTORS**



Art.	Pcs per sheet	Hardness*	Qty
<b>GOC003</b>	<b>200</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>



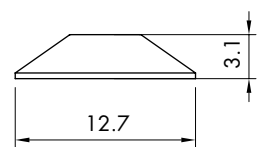
**SQUARE ADHESIVE PROTECTORS**



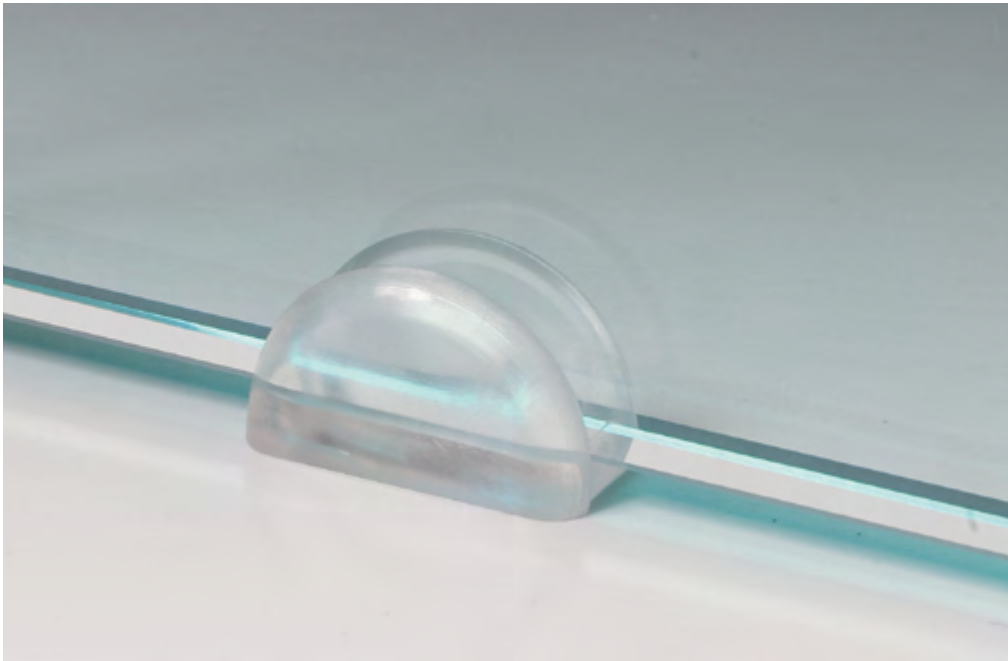
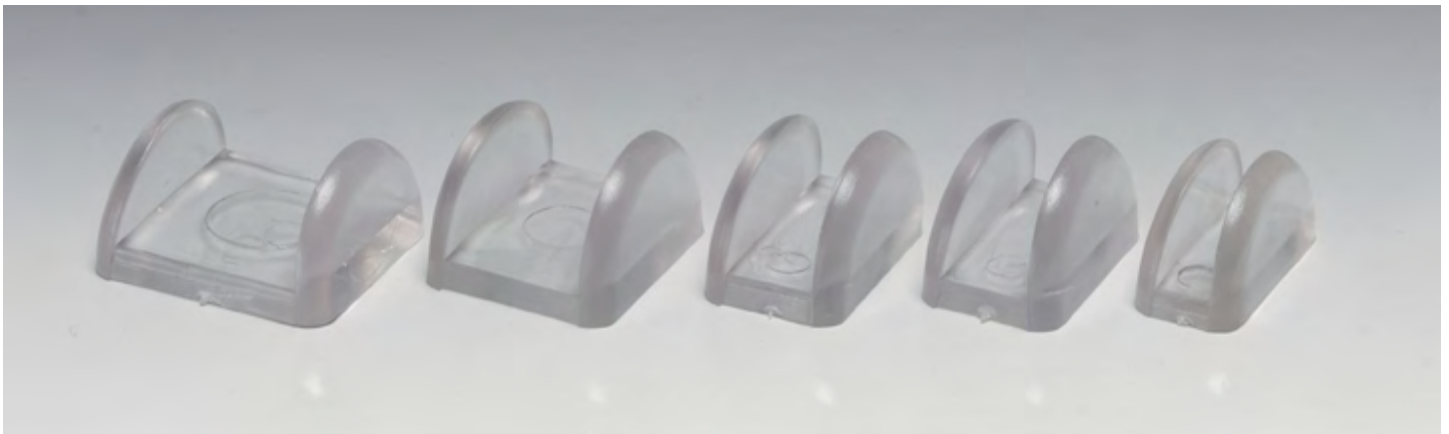
Art.	Pcs per sheet	Hardness*	Qty
<b>GOC004</b>	<b>242</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>



**SQUARE ADHESIVE PROTECTORS**



Art.	Pcs per sheet	Hardness*	Qty
<b>GOC012</b>	<b>200</b>	<b>66-70 Shore A</b>	<b>1 Pc</b>



**GLASS SUPPORT PROTECTOR**

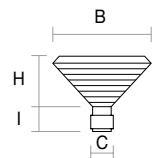
Material: Soft PVC  
Colour: transparent

Art.	Dimensions	Thickness	For glass thickness	Qty
<b>APPCRIST08</b>	11 mm x 14 mm	3 mm	8 mm	1 Pc
<b>APPCRIST10</b>	15 mm x 14 mm	3 mm	10 mm	1 Pc
<b>APPCRIST12</b>	17 mm x 14 mm	3 mm	12 mm	1 Pc
<b>APPCRIST15</b>	20 mm x 14 mm	3 mm	15 mm	1 Pc
<b>APPCRIST20</b>	26 mm x 14 mm	3.5 mm	20 mm	1 Pc



**GLASS HOLDER SUCTION CUPS WITH BALL**

Material: PVC  
Colour: transparent

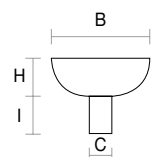


Art.	Dimensions	Package	Qty
<b>VENPAL20</b>	B Ø20 x I 10 x H 4 x C Ø6 mm	100 Pcs	1 Pc
<b>VENPAL25</b>	B Ø25 x I 12 x H 5 x C Ø7 mm	100 Pcs	1 Pc



**CYLINDRICAL GLASS HOLDER SUCTION CUPS**

Material: PVC  
Colour: transparent



Art.	Dimensions	Package	Qty
<b>VENCIL15</b>	B Ø15 x I 10 x H 4 x C Ø6 mm	100 Pcs	1 Pc
<b>VENCIL20</b>	B Ø20 x I 8.5 x H 6.5 x C Ø6 mm	100 Pcs	1 Pc

**CORNER PROTECTORS**

Material: polyethylene

Colour: black

Art.	Dimensions	For glass	Package	Qty
<b>AD3503</b>	35 mm x 35 mm	3-4 mm	100 Pcs	1 Pc
<b>AD3505</b>	35 mm x 35 mm	5 mm	100 Pcs	1 Pc
<b>AD3506</b>	35 mm x 35 mm	6 mm	100 Pcs	1 Pc
<b>AD3508</b>	35 mm x 35 mm	8 mm	100 Pcs	1 Pc
<b>AD3510</b>	35 mm x 35 mm	10 mm	100 Pcs	1 Pc
<b>AD5012</b>	50 mm x 50 mm	12 mm	100 Pcs	1 Pc

**CORNER PROTECTORS WITH ROUNDED CORNERS**

Material: polyethylene

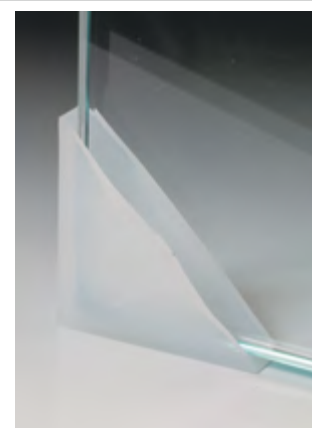
Colour: black

Art.	Dimensions	For glass	Package	Qty
<b>AD5005</b>	50 mm x 50 mm	5 mm	100 Pcs	1 Pc
<b>AD5006</b>	50 mm x 50 mm	6 mm	100 Pcs	1 Pc
<b>AD5010</b>	50 mm x 50 mm	10 mm	100 Pcs	1 Pc

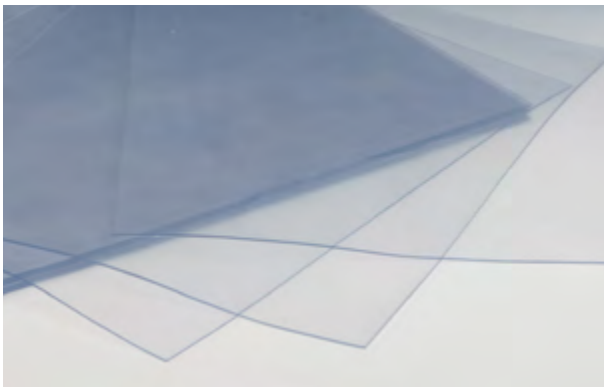
**CORNER PROTECTORS**

Material: Rigid PVC

Colour: white



Art.	Dimensions	For glass	Qty
<b>SALVSP410</b>	40 mm x 40 mm	4/10 mm	1 Pc
<b>SALVSP1220</b>	50 mm x 50 mm	12/20 mm	1 Pc



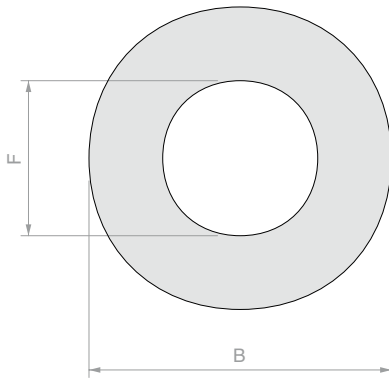
**PVC SHEETS FOR GASKETS**

Material: "Kristal" flexible PVC  
 Non-toxic, suitable for bonding  
 Operating temperature -10°C to +50°C  
 Colour: transparent

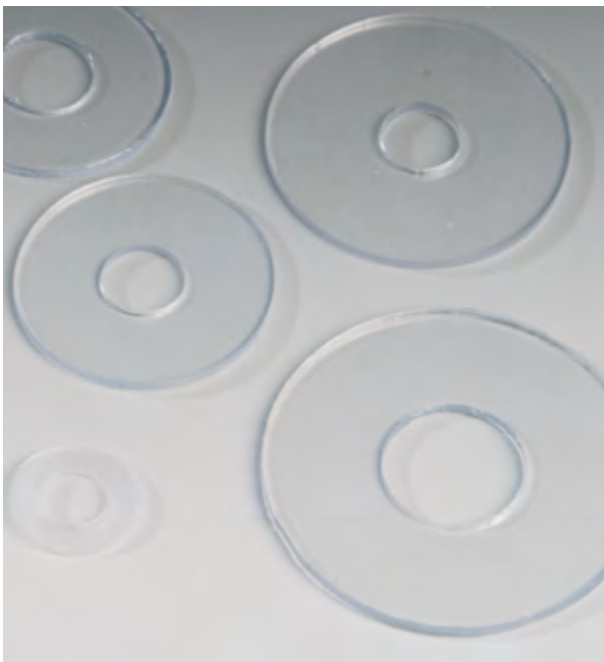
Art.	Dimensions	Thickness	Qty
<b>GUR001</b>	<b>300 mm x 250 mm</b>	<b>1 mm</b>	<b>1 Pc</b>
<b>GUR002</b>	<b>300 mm x 250 mm</b>	<b>2 mm</b>	<b>1 Pc</b>

**PRECUT PVC WASHERS**

Material: PVC, thickness 1 mm  
 Colour: transparent



Art.	B	F	Qty
<b>GT01</b>	<b>Ø14 mm</b>	<b>Ø4.5 mm</b>	<b>1 Pc</b>
<b>GT02</b>	<b>Ø16 mm</b>	<b>Ø6.5 mm</b>	<b>1 Pc</b>
<b>GT03</b>	<b>Ø16 mm</b>	<b>Ø8.5 mm</b>	<b>1 Pc</b>
<b>GT035</b>	<b>Ø16 mm</b>	<b>Ø10.5 mm</b>	<b>1 Pc</b>
<b>GT04</b>	<b>Ø18 mm</b>	<b>Ø5.5 mm</b>	<b>1 Pc</b>
<b>GT041</b>	<b>Ø18 mm</b>	<b>Ø6.5 mm</b>	<b>1 Pc</b>
<b>GT05</b>	<b>Ø20 mm</b>	<b>Ø6.5 mm</b>	<b>1 Pc</b>
<b>GT06</b>	<b>Ø20 mm</b>	<b>Ø8.5 mm</b>	<b>1 Pc</b>
<b>GT061</b>	<b>Ø20 mm</b>	<b>Ø10.5 mm</b>	<b>1 Pc</b>
<b>GT07</b>	<b>Ø22 mm</b>	<b>Ø8.5 mm</b>	<b>1 Pc</b>
<b>GT08</b>	<b>Ø24 mm</b>	<b>Ø6.5 mm</b>	<b>1 Pc</b>
<b>GT091</b>	<b>Ø25 mm</b>	<b>Ø6.5 mm</b>	<b>1 Pc</b>
<b>GT09</b>	<b>Ø25 mm</b>	<b>Ø8.5 mm</b>	<b>1 Pc</b>
<b>GT10</b>	<b>Ø25 mm</b>	<b>Ø10.5 mm</b>	<b>1 Pc</b>
<b>GT105</b>	<b>Ø25 mm</b>	<b>Ø12.5 mm</b>	<b>1 Pc</b>
<b>GT11</b>	<b>Ø27 mm</b>	<b>Ø10.5 mm</b>	<b>1 Pc</b>
<b>GT12</b>	<b>Ø30 mm</b>	<b>Ø6.5 mm</b>	<b>1 Pc</b>
<b>GT13</b>	<b>Ø30 mm</b>	<b>Ø8.5 mm</b>	<b>1 Pc</b>
<b>GT14</b>	<b>Ø30 mm</b>	<b>Ø10.5 mm</b>	<b>1 Pc</b>
<b>GT145</b>	<b>Ø30 mm</b>	<b>Ø12.5 mm</b>	<b>1 Pc</b>
<b>GT15</b>	<b>Ø30 mm</b>	<b>Ø16.5 mm</b>	<b>1 Pc</b>
<b>GT17</b>	<b>Ø35 mm</b>	<b>Ø8.5 mm</b>	<b>1 Pc</b>
<b>GT185</b>	<b>Ø35 mm</b>	<b>Ø10.5 mm</b>	<b>1 Pc</b>
<b>GT18</b>	<b>Ø35 mm</b>	<b>Ø12.5 mm</b>	<b>1 Pc</b>
<b>GT19</b>	<b>Ø40 mm</b>	<b>Ø10.5 mm</b>	<b>1 Pc</b>
<b>GT195</b>	<b>Ø40 mm</b>	<b>Ø14.5 mm</b>	<b>1 Pc</b>
<b>GT20</b>	<b>Ø40 mm</b>	<b>Ø20.5 mm</b>	<b>1 Pc</b>
<b>GT215</b>	<b>Ø45 mm</b>	<b>Ø10.5 mm</b>	<b>1 Pc</b>
<b>GT216</b>	<b>Ø45 mm</b>	<b>Ø18.5 mm</b>	<b>1 Pc</b>
<b>GT217</b>	<b>Ø45 mm</b>	<b>Ø28.5 mm</b>	<b>1 Pc</b>
<b>GT21</b>	<b>Ø50 mm</b>	<b>Ø10.5 mm</b>	<b>1 Pc</b>
<b>GT22</b>	<b>Ø50 mm</b>	<b>Ø15.5 mm</b>	<b>1 Pc</b>
<b>GT23</b>	<b>Ø50 mm</b>	<b>Ø25.5 mm</b>	<b>1 Pc</b>
<b>GT231</b>	<b>Ø55 mm</b>	<b>Ø10.5 mm</b>	<b>1 Pc</b>
<b>GT235</b>	<b>Ø60 mm</b>	<b>Ø12.5 mm</b>	<b>1 Pc</b>



**CORK PROTECTOR PADS WITH PVC FOAM**

Material: agglomerated cork with polymer binder and PVC foam

Art.	Dimensions	Package	Qty
<b>TASA1820</b>	<b>18 mm x 18 mm x 2 mm</b>	<b>5 sheets x 162 Pcs</b>	<b>1 Pc</b>
<b>TASA1830</b>	<b>18 mm x 18 mm x 3 mm</b>	<b>5 sheets x 162 Pcs</b>	<b>1 Pc</b>

**CORK PROTECTORS WITH DOUBLE-SIDED TAPE**

Art.	Dimensions	Package	Qty
<b>TASB120</b>	18 mm x 18 mm x 2 mm	5 sheets x 162 Pcs	1 Pc
<b>TASB130</b>	18 mm x 18 mm x 3 mm	5 sheets x 162 Pcs	1 Pc

**CORK PROTECTORS**

Art.	Dimensions	Package	Qty
<b>TASS006</b>	10 mm x 10 mm x 1 mm	10.000 Pcs	1 Pc
<b>TASS007</b>	10 mm x 10 mm x 2 mm	10.000 Pcs	1 Pc
<b>TASS008</b>	10 mm x 10 mm x 3 mm	10.000 Pcs	1 Pc
<b>TASS009</b>	20 mm x 20 mm x 2 mm	2.500 Pcs	1 Pc
<b>TASS010</b>	20 mm x 20 mm x 3 mm	2.500 Pcs	1 Pc

**RED EVA PROTECTORS WITH DOUBLE-SIDED TAPE**

Art.	Dimensions	Density	Package	Qty
<b>TASR20</b>	18 mm x 18 mm x 2 mm	Medium	5 sheets x 162 Pcs	1 Pc
<b>TASR30</b>	18 mm x 18 mm x 3 mm	Medium	5 sheets x 162 Pcs	1 Pc

**BLUE PVC PROTECTORS MEDIUM DENSITY**

Art.	Dimensions	Density	Package	Qty
<b>TPC04</b>	15 mm x 15 mm x 4 mm	Medium	4450 Pcs	1 Pc
<b>TPC06</b>	20 mm x 20 mm x 4 mm	Medium	2500 Pcs	1 Pc

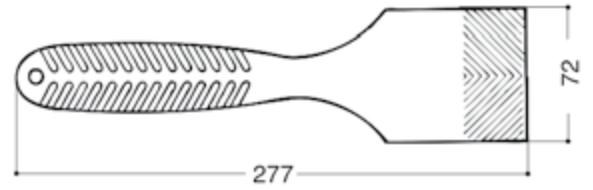
**RED PVC PROTECTORS HIGH DENSITY**

Art.	Dimensions	Density	Package	Qty
<b>TPC10</b>	16 mm x 18 mm x 4 mm	High	28,000 Pcs	1 Pc

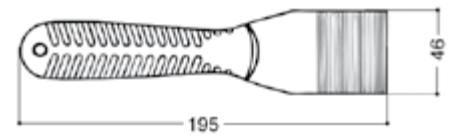


**GLASS RAISING SHOVEL**

Material: Nylon



SPVS4008



SPVS4002

Art.	Qty
SPVS4008	1 Pc
SPVS4002	1 Pc



**PILLOW-UP**

System for positioning and fitting glass without using shims, protects the glass from chipping or scratching and makes it easier to level the glass, for quicker and professional installation.

Made of high strength material which can support loads of up to 100 kg. Its thin construction of between 2 and 50 mm is suitable for small installation spaces.

Art.	Dimensions	Load	Qty
PW-UP	145 mm x 160 mm	100 kg	1 Pc

**BLACK FELT**

Composition: 100% polypropylene  
 Cohesion support: synthetic latex  
 Total weight: 620 g/m<sup>2</sup> ± 10%  
 Resistance to fire: BFL-S1  
 Thickness: 2.5 mm ± 10%

Art.	Dimensions	Qty
<b>FN4</b>	<b>4000 mm</b>	per m <sup>2</sup>

**GLASS-TIC ALU TAPE**

Cotton fabric open mesh tape, impregnated on both sides with an anti-corrosion material made of petroleum jelly and reinforced synthetic polymers. The outer side of the GLASS-TIC ALU tape is covered with a toughened aluminium film, thickness 40 micron. Water- and gas-proof, resistant to UV rays and adverse weather conditions.

Applications: permanent sealing of glazed roofs

Technical properties: thickness 1.2 mm +/- 10%

Aluminium thickness: 40 µm

Tensile strength: N/mm 9 Elongation at break: 5%

Water vapour permeability: < 0.1 g/m<sup>2</sup> 24 h

Adhesiveness on steel glass: 0.5 N/10 mm

Water vapour permeability: < 0.1 g/m<sup>2</sup> 24 h

Adhesiveness on steel glass: 0.5 N/10 mm

Operating temperature: from - 40 to + 65°C

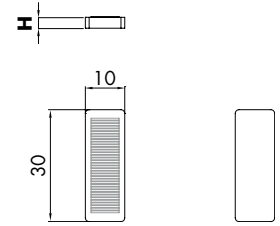
Application temperature: From + 5 to + 40°C

Art.	Dimensions	Qty
<b>FGLASST</b>	<b>100 mm x 10 m</b>	1 Pc



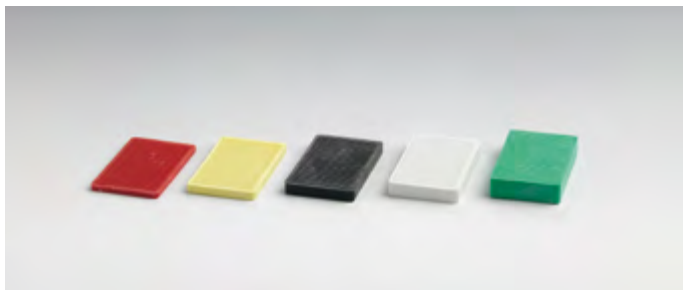
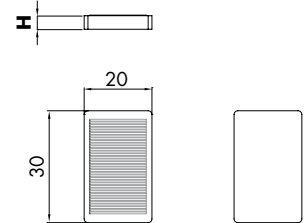
## PLASTIC SHIMS 10 x 30

Art.	H	Package	Colour	Qty
<b>SPE2392</b>	2 mm	≈ 1200 Pcs	red	1 Kg
<b>SPE2393</b>	3 mm	≈ 1000 Pcs	yellow	1 Kg
<b>SPE2394</b>	4 mm	≈ 600 Pcs	black	1 Kg
<b>SPE2395</b>	5 mm	≈ 500 Pcs	white	1 Kg
<b>SPE2397</b>	7 mm	≈ 400 Pcs	green	1 Kg



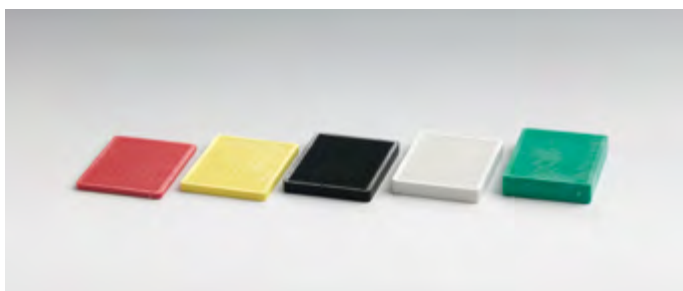
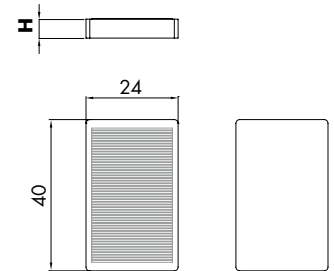
## PLASTIC SHIMS 20 x 30

Art.	H	Package	Colour	Qty
<b>SPE2402</b>	2 mm	≈ 600 Pcs	red	1 Kg
<b>SPE2403</b>	3 mm	≈ 400 Pcs	yellow	1 Kg
<b>SPE2404</b>	4 mm	≈ 300 Pcs	black	1 Kg
<b>SPE2405</b>	5 mm	≈ 250 Pcs	white	1 Kg
<b>SPE2407</b>	7 mm	≈ 200 Pcs	green	1 Kg



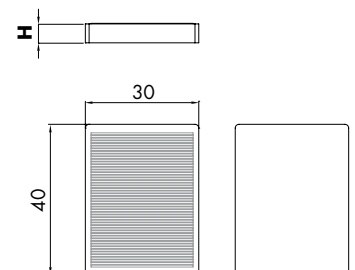
## PLASTIC SHIMS 24 x 40

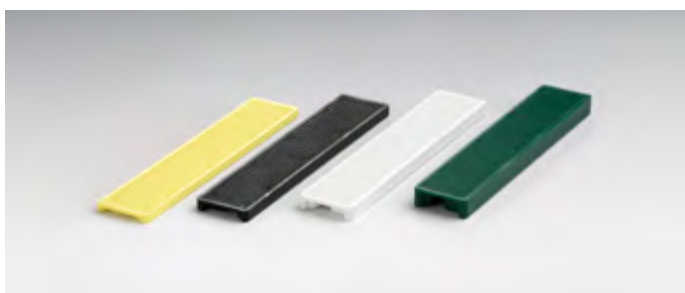
Art.	H	Package	Colour	Qty
<b>SPE2502</b>	2 mm	≈ 350 Pcs	red	1 Kg
<b>SPE2503</b>	3 mm	≈ 250 Pcs	yellow	1 Kg
<b>SPE2504</b>	4 mm	≈ 200 Pcs	black	1 Kg
<b>SPE2505</b>	5 mm	≈ 150 Pcs	white	1 Kg
<b>SPE2507</b>	7 mm	≈ 100 Pcs	green	1 Kg



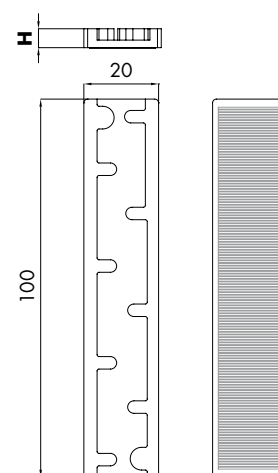
## PLASTIC SHIMS 30 x 40

Art.	H	Package	Colour	Qty
<b>SPE2602</b>	2 mm	≈ 300 Pcs	red	1 Kg
<b>SPE2603</b>	3 mm	≈ 200 Pcs	yellow	1 Kg
<b>SPE2604</b>	4 mm	≈ 150 Pcs	black	1 Kg
<b>SPE2605</b>	5 mm	≈ 100 Pcs	white	1 Kg
<b>SPE2607</b>	7 mm	≈ 100 Pcs	green	1 Kg

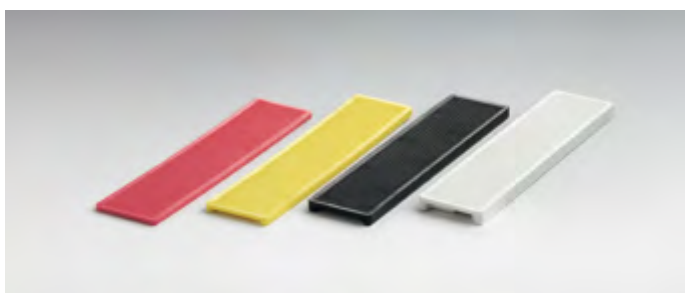




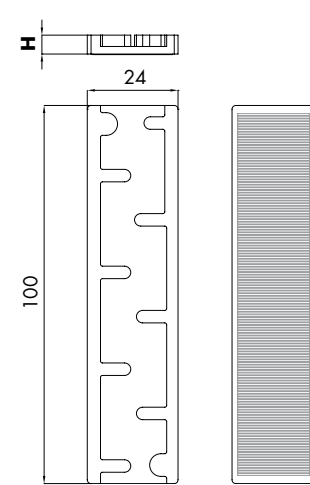
**PLASTIC SHIMS 20 x 100**



Art.	H	Package	Colour	Qty
<b>SPE2703</b>	3 mm	≈ 200 Pcs	yellow	1 Kg
<b>SPE2704</b>	4 mm	≈ 150 Pcs	black	1 Kg
<b>SPE2705</b>	5 mm	≈ 100 Pcs	white	1 Kg
<b>SPE2707</b>	7 mm	≈ 100 Pcs	green	1 Kg



**PLASTIC SHIMS 24 x 100**



Art.	H	Package	Colour	Qty
<b>SPE2802</b>	2 mm	≈ 200 Pcs	red	1 Kg
<b>SPE2803</b>	3 mm	≈ 150 Pcs	yellow	1 Kg
<b>SPE2804</b>	4 mm	≈ 100 Pcs	black	1 Kg
<b>SPE2805</b>	5 mm	≈ 100 Pcs	white	1 Kg



**WINDOW AERATORS**

Material: transparent plastic  
Colour: transparent

Art.	Hole > Glass Thickness	Description	Qty
<b>AER1</b>	Ø120 mm > Max. thickness 16 mm/Ø128 mm > Thickness 16-22 mm	With fan and lock	1 Pc
<b>AER2</b>	Ø160 mm > Max. thickness 16 mm/Ø168 mm > Thickness 16-22 mm	With fan and lock	1 Pc
<b>AER3</b>	Ø160 mm > Max. thickness 16 mm/Ø168 mm > Thickness 16-22 mm	With rain grid and mesh	1 Pc
<b>AER4</b>	Ø200 mm > Max. thickness 16 mm/Ø208 mm > Thickness 16-22 mm	With fan and lock	1 Pc
<b>AER5</b>	Ø200 mm > Max. thickness 16 mm/Ø208 mm > Thickness 16-22 mm	With rain grid and mesh	1 Pc
<b>AER6</b>	Ø240 mm > Max. thickness 12 mm	With fan and lock	1 Pc



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