

weberdry PUR flex30

Single-component, low-elastic modulus, polyurethane adhesive sealant



CE UNI EN 15651-1 | UNI EN 15651-4
Sealant for facade elements. | Sealant for walkways.

PRODUCT ADVANTAGES

- Excellent adhesion to building materials (concrete, masonry, wood, metal, etc.)
- Permanently elastic over a wide temperature range
- Easy to apply, extrude, and level
- Does not drip or stick
- Does not string when detached
- Good resistance to atmospheric agents
- Good resistance to immersion in detergents, sea water, diluted basic solutions
- Paintable
- Adheres and seals at the same time

USES / USAGE

weberdry PUR flex30 is used to seal horizontal and vertical expansion and construction joints for:

- flooring, terraces
- pre-cast elements and cladding in general
- masonry, concrete, wood or metal structures

- perimeters for skylights, windows or openings
- water drains
- stabilised bituminous membranes
- roofing

weberdry PUR flex30 is also used to waterproof anchoring holes on concrete substrates.

SUBSTRATES RESTRICTIONS

- Surfaces with temperatures below +5°C
- Elements with silicone hardened sealant
- Environments with high levels of chlorine (avoid sealing joints in pools with chlorine)
- Frozen surfaces, during rain or fog, on wet primers and on surfaces with rising damp
- Surfaces soiled with oils, greases release agents, which might impair adhesion

CONSUMPTION

The consumption of **weberdry PUR flex30** varies depending on the section of the joint to be sealed, for example:

- 12 linear meters for joints measuring 5x5 mm
- 3 linear meters for joints measuring 10x10 mm
- 2.5 linear meters for joints measuring 15x7.5 mm
- 1.5 linear meters for joints measuring 20x10 mm
- 0.95 linear meters for joints measuring 25x12.5 mm
- 0.65 linear meters for joints measuring 30x15 mm

Packaging	cartridge in pack of 12pcs
Product appearance	thixotropic paste
Color	grey
Storage	Protect from humidity and direct sunlight. Storage temperature: 10 - 25 °C.
Shelf life	Packages must be stored in cool, dry places for a maximum period of 12 months.

Hardening time	approx 2mm in 1 day at 23°C - 50% R.H..
Ready to use product	No
Insensitivity to rain, to drew	approx 2 hours
Mono-component product	No
Temperature of application	5°C ÷ 40°C

PROPRIETÀ

RISULTATI

Hardness (Shore A scale)	approx. 30 (DIN 53505)
Open time	approx. 120 min
Hardening time	approx 2mm in 1 day at 23°C - 50% R.H..
Elongation	800% (ISO 37 DIN 53504)
Thermal resistance	-40°C /+90°C, for short periods up to 120°C
Insensitivity to rain, to drew	approx 2 hours
Modulus of elasticity	at 100% approximately 0.4 N/mm ²
Load breaking	approx. 1.5 N/mm ² (ISO 37 DIN53504)
Panel density	approx. 1.33 g/cc
Hardness (Shore A scale)	approx. 30 (DIN 53505)
Movement capacity	25% of the total movement capacity

APPLICATION

TOOLS

- Caulk gun, masking tape, trowel.

SURFACE PREPARATION

- Careful preparation of the surface is essential for the final result and durability. The surface of the joints must be clean, dry, and free of water, oil, grease, rust, or other impurities. Remove any solid particles and residues using compressed air, sandpaper, or brushes. Non-porous surfaces such as glass, metal, etc. must be free of any protective coating and cleaned with solvent. Prefabricated panels with release agents as well as polyethylene films must be sandblasted or mechanically abraded and cleaned of dust. **weberdry PUR flex30** has high adhesion to most common building materials, so it is not necessary to apply any primer if the substrates to be sealed are properly prepared and consolidated. A preliminary test is recommended. If necessary, apply one or more coats of **weberprim EP 2K** primer to porous surfaces in joints.

PREPARAZIONE DEL FONDO

- To ensure free movement of the sealant in the joint, the sealant must not adhere to the upper and lower ends of the joint. For this purpose, a polyethylene strip (joint bottom) must be inserted at the correct depth.
The use of the cord also serves to determine the depth of the sealant. For proper sealing, the following guidelines on joint configuration must be followed:
- Up to 12 mm wide, the width/depth ratio must be 1:1
- Over 12 mm wide, the width/depth ratio must be 2:1

- To avoid sealant spillage, we recommend applying paper adhesive tape along the edges of the joint, to be removed immediately after smoothing and before the sealant begins to harden. If necessary, apply **weberprim EP 2K** primer to both ends of the joint, allowing sufficient drying time to prevent bubbles forming inside the sealant.

APPLICATION

- Insert the cartridge into a suitable extrusion gun, cut the end of the bag if necessary, insert the appropriate nozzle, and extrude the product into the joint. For best results, extrude the sealant into the joint halfway between the expansion and contraction points. Extrude the product and apply it to the joint, making sure that it is in full contact with both sides of the joint and with the bottom of the joint at the ends. Keep the nozzle in the sealant and continue with a constant flow of sealant ahead of the nozzle to avoid trapping air. Extrude a uniform amount, avoiding trapping air and overlapping the product to eliminate air pockets. **weberdry PUR flex30** can be covered and painted, but some coatings may be damaged if the joint moves.

RECOMMENDATIONS

- Always consult the safety data sheet before use.
 - Avoid contact with alcohol and other cleaning solvents during hardening.
 - Do not apply when moisture vapor transmission from the material is present, as this may cause bubbles to form in the product.
 - The performance of **weberdry PUR flex30** depends on the proper design of the joints, the correct preparation of the substrates, and the correct application of the product.
 - Avoid overlapping the product to prevent air entrapment.
 - Clean tools used with acetone or solvent.
 - Once the product has hardened, it can only be removed mechanically.
 - **weberdry PUR flex30** is not to be used as a chemical anchor.
- For professional use only.

BOOK OF SPECIFICATIONS

Single-component polyurethane sealant with low elastic modulus for sealing horizontal and vertical expansion and construction joints (type **weberdry PUR flex30** by Saint-Gobain Italia S.p.A.). The sealant can be applied using a suitable extrusion gun.

Elongation	800% (ISO 37 DIN 53504)
Load breaking	approx. 1.5 N/mm ² (ISO 37 DIN53504)
Modulus of elasticity	at 100% approximately 0.4 N/mm ²

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Companies Register Milan no. 08312170155 • Economic and Administrative Index no.: Milan no. 1212939
Share Capital: Euro 77,305,082.40 fully paid up • Tax Code and VAT no.: 08312170155
Subject to the direction and coordination of Saint-Gobain Produits Pour la Construction S.A.S.