



Tecnoseal 130

ST4-0217

Paintable single-component polyurethane sealant for expansion joints and sealing on metal laminates

DESCRIPTION

Tecnoseal 130 is a single component, ready to use, polyurethane sealant. It has excellent resistance to atmospheric agents, chemical substances (oils, grease, acids and dilute alkalis) and it is suitable for permanent contact with water. **Tecnoseal 130** can be painted and provides a permanent elasticity capable of absorbing continual structural movements (work movement 25%). **Tecnoseal 130** adheres perfectly to concrete, natural stone, wood and laminated metals in general.

Tecnoseal 130 is a single component product which polymerises according to the environmental temperature and to the relative humidity, starting with the external surfaces and continuing up to the joint section; with a temperature of about 15°C the polymerisation has a speed of approx. 1 mm per day (with temperatures less than +5°C the polymerisation does not occur).

USES

Elastic and waterproof sealing of both horizontal and vertical expansion joints in traditional and prefabricated buildings. It is ideal in tinsmithry works.

APPLICATION



Gun application

The surfaces must be perfectly dry, clean, free of powder, grease, uneven parts and any material which could hinder a good anchoring of the sealant. There is no need to use an anchoring primer. The width of the joint must be such as to exert a working movement of not more than 25% in the sealant

In case of screed the thickness must not be less than 10 mm and, for joints with a width greater than 2 cm, it must have a width/ thickness ratio of 2-1; to get the correct thickness of the sealant, use the appropriate circular support with closed cells **Ethafoam** of a suitable section.

For different kind of application, please contact our Technical Department.

The smoothing off of the sealant must be carried out immediately after the application; to obtain a precise sealing, cover the edges of the joint with masking tape and remove the tape immediately after smoothing off the sealant without waiting for the sealant to set.

Tecnoseal 130 is rain resistant after only 2-3 hours from the application; however do not apply it to wet surfaces.

CONSUMPTION

One litre of volume (approx. 10 ml of joint with section of 1x1cm) is filled by 3 cartridges.

PACKAGING

Ctr 310 ml – Boxes of 12 pieces.

Characteristics	Value
Colour	Grey
Appearance	Tixotropic paste
chemical nature	polyurethane
application temperature [°C]	Da +5 a +40
heat resistance [°C]	-40 / +90 °C
Shore-A hardness (23°C e 50% h.r.)	40
Specific weight [g/cc]	1,33 ± 0,02
polymerization	humidity
thick hardening [mm] (after 1 day at 23°C and 50% h.r.)	2,5
Open time [min] (23°C e 50% h.r.)	50 + 55
100% elastic module [N/mm ²] (ISO 37 DIN 53504)	> 0,8
tensile strength [N/mm ²] (ISO 37 DIN 53504)	> 1,8
Elongation [%] (ISO 37 DIN 53504)	≥ 450

STORAGE

Tecnoseal 130 must be stored in dry and sheltered places at a temperature between +5°C and 25°C. In these conditions and in unopened cartridges the product's stability is 12 months.

WARNING

Product for professional use. **Tecnoseal 130** must not be applied in temperatures less than +5°C, on friable or wet surfaces. The tools used must be cleaned with **Solvente EPOX** before hardening starts.

The technical specifications and application methods recommended herein are based on our current knowledge and experience and do not represent any form of guarantee of the final results obtainable with the product.

It is the customer's responsibility to check that this data sheet is still effective and has not been replaced with a more recent version, and that the product is suitable for the intended use.

TECHNICAL SPECIFICATIONS

SK31- Restoration and sealing of degraded joints

Demolition of all inconsistent material to find compact concrete.
Thorough cleaning of the substrate with total elimination of dust, grease, old crumbly paints and any material that could compromise the good anchoring of the resin. Application on the surface to be treated of two-component consolidating resin in aqueous dispersion such as Kimicover FIX or similar with a minimum consumption of 0.3 kg/m².
Reconstruction of the joint with Kimitech EP-IN epoxy resin loaded with Kimifill HM spheroidal quartziferous aggregates by Kimia S.p.A. or similar products. Sealing with Tecnoseal 130 cartridge sealant.
The paintable single-component polyurethane sealant for horizontal expansion joints and for sealing on metal laminates will be prepared and applied scrupulously following the indications given on the technical sheets provided by the Manufacturer and will have the following characteristics:

- Thermal resistance [°C]: From -40 to +90;
- Shore-A hardness (23 ° C and 50% r.h.): 40;
- Specific weight [g / cc]: 1.33 ± 0.02;
- Polymerization: Moisture;
- Hardening thickness [mm] (after 1 day at 23°C and 50% r.h.): 2.5;
- Open time [min] (23°C and 50% r.h.): 50 ± 55;
- 100% elastic modulus [N / mm²] (ISO 37 DIN 53504):> 0.8;
- Tensile strength [N / mm²] (ISO 37 DIN 53504):> 1.8;
- Elongation [%]: (ISO 37 DIN 53504): ≥ 450.