

Tecnoseal 88

ST7-0221



Self-leveling two-component polyurethane sealant used for expansion joints in industrial flooring, garages, terraces, airports.



DESCRIPTION

Tecnoseal 88 is a polyurethane, bicomponent self-levelling sealant. It has excellent resistance to abrasion, hydrocarbons and atmospheric agents. Its elasticity allows it to absorb continual movements of the structure caused by thermal changes without problems of cracking. **Tecnoseal 88** adheres perfectly to concrete, metal, stone and wood, guaranteeing a hydraulic holding even in permanent contact with water. The product is supplied in two pre-measured containers (A+B). Part A is oversized to provide an easy mixing with the same containers.

The product is CE marked as protective coating according to the EN 1504-2.




USES

Tecnoseal 88 is used for sealing of horizontal joints on terraces suitable for pedestrians or vehicles, industrial pavements, parkings, airport tracks, garages.

WORKS

- Restoring and sealing damaged existing expansion joints (31);

APPLICATION

	Application gun	with		Complete curing time at 20°C: 7 days
	Pouable			

Pour component 'B' (hardener) into component 'A' (resin), mix with a low speed stirrer (200-300 rounds per minute) until a perfect amalgam is obtained. Take care not to incorporate air. For divided mixing, respect the proportions in weight (and not volume) indicated on the containers. The joint must be perfectly dry, clean, free from grease and uneven parts; check the width of the joint is sufficient to absorb structural dilation (based on the work movement of the sealant). If friable supports are present apply **Kimicover FIX**. To obtain a precise seal, cover the edges of the joint with masking tape and remove the tape immediately after application, without waiting for the sealant to dry. **Tecnoseal 88** can be poured manually or applied or with the suitable gun.

CONSUMPTION

1.5 Kg /dmc.

PACKAGING

- Com 6,5 kg (A+B) (A: 5 Kg + B: 1,5 Kg)

Characteristics	Typical Value	Typical Value Tecnoseal 88 RAPID
Number of components	2 (A+B)	2 (A+B)
Colour	grey	grey
Appearance	Self-levelling fluid paste	Self-levelling fluid paste
Work movement	10 %	10 %
Working temperature	-20 / +80 °C	-20 / +80 °C
Minimum application temperature	+ 5 °C	+ 5 °C
Shore-A hardness	50 - 55	50 - 55
Weight	1,5 ± 0,1 Kg/l	1,5 ± 0,1 Kg/l
Start of setting time	60 mins	30 mins
Setting time	> 4 hours	60 mins
Complete curing at 20°C	7 days	7 days
Limit for elastic elongation	0,04	0,013
Elongation at failure	0,04	0,066

Characteristics	Limits EN 1504-2	Typical value
Adhesion to concrete UNI EN 1542	Flexible systems without trafficking > 0,8 MPa with trafficking > 1,5 MPa	> 2 N/mm ²
	Rigid systems without trafficking > 1 MPa with trafficking > 2 MPa	
Permeability UNI EN ISO 7783-2	Class I (permeable to vapour) Sd < 5 m	Class I
	Classe II 5 m ≤ Sd ≤ 50 m	
	Classe III (not permeable to vapour) Sd > 50 m	
Capillar absorption and water permeability UNI EN 1062-3	< 0,1 Kg/m ² ·h ^{0,5}	< 0,1 Kg/m ² ·h ^{0,5}
Reaction class to fire	Declared value	F

STORAGE

Keep in a dry and sheltered place (temperature between +5°C and +25°C); in these conditions and in sealed containers the product maintains its stability for 12 months.

WARNING

Product for professional use.

Avoid applying the product in temperatures lower than +5°C, when imminent rain is forecasted or in presence of fog. The equipment used for the preparation and application of **Tecnoseal 88** must be cleaned with **Solvente POLY** before hardening starts.

The product must be handled with care: use gloves, protective cream and goggles to avoid contact with the skin and eyes.

For further information and advice on safe handling, storage and disposal of chemical products, the user must refer to the

most recent Safety Data Sheet, containing physical, ecological, toxicological and other data related to safety. All technical data shown in this Technical Data Sheet are based on laboratory tests. Actual measurement data may vary due to circumstances beyond our control. The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.

TECHNICAL SPECIFICATIONS

SK31 - Restoring and sealing damaged existing expansion joints

Demolition of existing detached parts and scarification of the joint surfaces. Clean the surface removing dust, greases, old varnishing and any material that can affect the adhesion on the existing support.

Apply, on the support to be consolidated, the bi-component resin in aqueous solution Kimicover FIX by Kimia S.p.A. or a similar product, respecting a minimum consumption of 0,3 Kg/m².

Reconstruction of the joint using epoxy resin Kimitech EP-IN by Kimia S.p.a or similar product loaded with quartz aggregates Kimifill HM by Kimia S.p.A. or similar product. Seal the joint with polyurethane, bi-component, self-levelling sealant Tecnoseal 88 by Kimia S.p.A. or similar products.

The polyurethane, bi-component, self-levelling, elastic, carriageable sealant, with high resistance to abrasion and to hydrocarbons, it will be prepared and applied scrupulously following the indications given on the technical sheets supplied by the manufacturer and will have the following characteristics:

- Work movement: 10%;
- Working temperature: -20/+80°C
- Minimum temperature for application: +5°C;
- Shore-A hardness: 50-555;
- Specific weight: 1,5±0,1 Kg/l
- Freezing time (200g at 20°C): 35 minutes
- Curing time at 20°C: 7 days