

SEALING SYSTEMS

DESCRIPTION

Sealer based on fire resistant self-levelling rubber of neutral cross-linking.

APPLICATIONS

It seals all kind of horizontal joints where fire resistance is needed. This silicone has been designed to seal between slabs, facades and curtain walls. It is necessary to use a joint base made of rockwool of 10 cm and 100 kg/m³.

Application: by pouring over the joint upper side.

No need of using solvents or primers.

FEATURES

Mono-component sealer easy to apply and cross-linkable at room temperature. Being self-levelling allows it to be applied by pouring. Low shrinkage is produced during the curing. It doesn't attack nor concrete neither ferrous metals. Excellent adhesion over most of the substrates involved in construction. Unalterable to the action of water, sun and, in general to the elements.

INDICATIONS FOR USE

Joint size:

Its width must be at least, 4 times bigger than the maximum expected movement.

The sealing depth will be chosen depending on the joint width according to the test. Ask our commercial department.

Joint construction:

Rockwool as joint base. This helps that no unnecessary tensions are transmitted over the sealant. It is also useful to adjust the sealant's depth.

Joint treatment:

Surfaces to be sealed must be clean and dry. It is advisable to clean with solvent non-greasy (like acetone) besides the mechanic treatment if necessary.

Any other material unknown by the user regarding adhesion must be previously tested or consulted with our Commercial Department.



Finish:

In order to provide an homogeneous finish it is advisable to cover the joints edge with adhesive tape or similar, and gently pass a slightly dampen trowel to smooth the joint surface.

It is important to check that the grooves are filled and the contact between the mastic and the substratum is adequate.

Performance:

The following formula is an approximate guide to calculate the performance:

$$L = \frac{1000}{A \times P}$$

where:

L= Sealing length in meters obtained per litre.

A= Joint width in mm.

P= Joint depth in mm.

Further processing:

The **Tecsel® Self-levelling Silicone** cannot be painted or varnished.

CHARACTERISTICS AND TECHNICAL SPECIFICATIONS

Uncured Self-levelling Silicone Tecsel®

Appearance:	Homogeneous and self-levelling creamy paste.
Coating formation (BS 5889 AP.A):	90 minutes
Curing speed at 23°C and 55% H.R.:	1 mm/day
Volume loss (DIN 52451):	5 %
Temperature of application:	+5 to + 50 °C

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Cured **Self-levelling Silicone Tecsel®** (4 weeks at 23°C and 55% H.R.)

Appearance:	Rubber-like
Shore A Hardness (DIN 53505):	14
Elastic Recovery (NF P85506):	90 %
Elastic Modulus 100% (DIN 53504):	0,20 MPa.
(NF P 85507):	0,18 MPa.
Resistance to traction (DIN 53504):	0,60 MPa.
(NF P 85507):	0,50 MPa.
Elongation at break (DIN 53504):	700 %
(NF P 85507):	400 %
Joint movement in service:	25 %
Resistance to temperature in service:	+50 to + 150 °C
Thermal conductivity:	0,18 Wkm

Chemical Resistances:

Water, soapy water, saline water:	Excellent
Inorganic diluted acids and alkalis:	Great
Oils and mineral oils:	Great
Petroleum, fuel and hydrocarbon:	Great
Other products:	Consult

STORAGE

Store in a cool, dry place.

Useful life: 18 months

Once the packaging is opened, it must be used within 24 hours.

PRESENTATION

Buckets of 5 litres.

COLOUR

Black

CLEANING

The fresh product is removed with organic solvent. Once cured, it is removed mechanically.

SAFETY AND HYGIENE

During its curing the **Tecsel® Self-levelling Silicone** is irritant. It emit less than 1% equal parts of methyl ethyl ketoxime, these vapours must not be inhaled for a long time or at high concentrations. Therefore, the work area must be well ventilated.

It must be avoid due to possible irritations, all contact of the fresh product with the eyes and mucus. If this happens, wash with plenty of water and if necessary, go to the doctor. Rubber obtained by curing can be handled without any risk.

In case of splashes into the eyes, wash with plenty of water and if necessary, go to the doctor.

Wear gloves and in case of marks, wash with industrial detergent when the product is still fresh.

YOU MUST NOT WASH YOUR HANDS WITH SOLVENTS.

For further information ask for the product security sheet.

NOTE:

The instructions and technical data appearing in this data sheet are based on our experience and current knowledge. We decline any responsibility regarding consequences of inappropriate use. Thereby, our warrant is limited exclusively to the quality of the supplied product. This Data Sheet may be updated without prior notice (Ask for its update if necessary.)