

PRODUCT DATA SHEET

Everbuild Tecnic® Fire Sealant 400

Fire and Acoustic Rated Low Modulus Sealant.

PRODUCT DESCRIPTION

Everbuild Tecnic® Fire Sealant 400 is a neutral cure, elastic, acoustic rated silicone sealant which conforms to EN1366-4:2006 for fire retardancy and has a fire rating of up to 4 hours in certain joint configurations. Typically used for all sealing joints within the building envelope which require a fire rating.

USES

- All building joints which require a fire rating.
- Sealing joints in fire walls, partitions and other structures.
- Ideal for use for fire rated expansion joints.

CHARACTERISTICS / ADVANTAGES

- Fire rated to BS EN 1366-4.
- Neutral cure – adheres to most building surfaces, porous and non porous.
- Permanently flexible (25 % movement accommodation).
- Excellent weathering characteristics – suitable for internal and external use.
- Can be used in joints up to 50 mm wide.
- Non slump - easy to apply and tool off.
- Forms an acoustic seal.

PRODUCT INFORMATION

Chemical Base	Alkoxy cure silicone.
Packaging	380 ml Cartridge.
Shelf Life	Use within 12 months.
Storage Conditions	Store in cool dry conditions between +5 °C and +25 °C.
Colour	White, grey and black.
Density	Approx. 1.3 g/cm ³

APPROVALS / STANDARDS

- Fire rated BS EN 1366-4.
- Acoustic tested to BS EN ISO 140-3.
- Tested for air permeability to EN 13141-1 Ventilation for buildings. Performance testing of components/products for residential ventilation.
- CE / UKCA Marked under EN15651-1 Type F EXT-INT-CC Class 25LM.
- Certifire CF5027.

Flow resistance	<3 mm (ISO 7390)
Cleaning	Uncured: white spirits; cured sealant: SILICONE EATER.
Specific Resistances	Mild acids / alkali's at room temperature < 10 % concentration.

Shore A Hardness	25 to 30
Movement Capability	±25 % (ISO 9047)
Service Temperature	-40 to +140 °C
Joint Design	For maximum movement accommodation, it is recommended that: 1. The sealant joint width should be no less than 5 mm. 2. Joint depth should be half joint width e.g. 20 mm wide and 10 mm deep. Joint depth may be adjusted to the correct size; use EVERBUILD® JOINT BACKER ROD. Max Joint Width - 50 mm. Joint Width Calculation - Joint widths are calculated as in BS6213: Width = (M x 100 / F) + M Where M = movement and F = movement accommodation Factor.
Curing Rate	>1 mm / 24hrs at 50 % Relative Humidity +23 °C.
Tack Free Time	20 - 30 minutes

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Do not use on surfaces that bleed oils or plasticisers or in contact with bitumen or asphalt.
- Do not attempt to sand down. Finish smooth as per directions.
- Not overpaintable.
- Can yellow whilst curing if exposed to brick acid or bleach.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be clean, dry and dust free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application.

Mortar: Use Primer 3N.

Improve adhesion on non-porous surfaces by using Sika® Aktivator-205.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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