

PRODUCT DATA SHEET

EVERBUILD® Pyro Mate Firesil

A NEUTRAL CURE, FIRE RATED SILICONE SEALANT.

PRODUCT DESCRIPTION

A neutral cure, elastic silicone sealant which conforms to the EN1366-4 standard for fire retardancy and has a fire rating of up to 5 hours in certain joint configurations. CE Marked under both ETAG 026 Part 3 and EN15651-1:2012 type F-EXT-INT CC class F 25LM.

USES

- All building joints which require a fire rating.
- Sealing joints, voids and irregular holes in fire walls, partitions and other structures.
- Fire rated expansion joints.

CHARACTERISTICS / ADVANTAGES

- Neutral cure – adheres to most building surfaces, porous and non porous.
- Permanently flexible.
- Excellent weathering characteristics – suitable for internal and external use.
- Can be used in joints up to 50mm wide and 25mm deep.
- No priming required for most construction substrates.
- Non slump - easy to apply and tool off.
- Long tooling time - 20-30 minutes.

Slump	0mm to ISO7390
Max Joint Width	50mm
Joint Movement	+/- 25% of original size
Cleaning	Uncured white spirits; cured Sealant SILICONE EATER

APPROVALS / STANDARDS

- Fire rated to EN1366 Part 4
- CE Marked as a Fire Stopping and Fire Sealing Product under ETAG 026 Part 3 (Linear joint and gap seals) under European Technical Assessment 13/1059
- Acoustic rated to BS EN ISO 140/3. Tested for air permeability to EN13141-1 Ventilation for buildings. Performance testing of components/products for residential ventilation
- EN15651-1:2012 Class F25LM CC

PRODUCT INFORMATION

Packaging	Generic Cartridge with Nozzle.
Colour	Grey, White.
Shelf Life	12 months from date of manufacture.
Storage Conditions	Store in cool dry conditions between + 5°C and 30°C. PROTECT FROM FROST.
Density	~1.35g/cm ³

TECHNICAL INFORMATION

Shore A Hardness 25-30 (Shore A)

Service Temperature -40 to 140°C

APPLICATION INFORMATION

Curing Rate 1-2mm/24hrs at 50% Relative Humidity 23°C

Tack Free Time 20-30 minutes

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.

APPLICATION METHOD / TOOLS

The surfaces to be sealed must be clean, dry and free from dust, grease and other contaminants. Improve adhesion by wiping surface with EVERBUILD GLASS CLEANER allowing all solvent to evaporate before applying sealant. Priming is generally not required, although we always advise testing small areas prior to use. Large voids should first be filled with EVERBUILD FIREFOAM B1 for maximum fire rating. Cut the tip of the cartridge taking care not to damage the thread. Apply nozzle and cut at an angle of 45° with an opening slightly larger than the gap to be sealed. Apply using a standard sealant gun. Best results will be obtained by keeping an even pressure on the trigger and keeping the gun at a constant angle to the surface being sealed. To ensure a proper bond, always smooth the sealant down with a spatula or piece of wood wetted with linseed oil or white spirits. An improved joint appearance can be achieved by placing masking tape to both sides of the joint, removing within 5 minutes of application.

Single seal joints should be on the fire rated side of the structure.

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.

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.

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 the exact product data and

uses.

ECOLOGY, HEALTH AND SAFETY

Consult MSDS for full list of hazards.

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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