

## 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 4 hours in certain joint configurations. CE Marked under 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

- Fire rated to EN1366 Part 4.
- 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 50 mm wide and 25 mm deep.
- No priming required for most construction substrates.
- Non slump - easy to apply and tool off.
- Long tooling time 20-30 minutes.

### APPROVALS / STANDARDS

- Fire rated to EN1366 Part 4.
- EN15651-1:2012 Type F EXT-INT Class F25LM CC.
- Certifire.
- 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.

### PRODUCT INFORMATION

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

## TECHNICAL INFORMATION

Shore A Hardness	25 to 30 (Shore A)
Secant Tensile Modulus	<0.4 N/mm <sup>2</sup> @23 °C (ISO8339)
Movement Capability	25 % (ISO9047)
Elastic Recovery	>70 % (ISO7389)
Service Temperature	-40 to +140 °C

## APPLICATION INFORMATION

Consumption	ca. 10.5 linear metres at 6 mm bead
Sag Flow	<3 mm (ISO7390 at 50 °C and 50 % RH)
Curing Rate	1-2 mm/24hrs at 50% Relative Humidity/23 °C
Tack Free Time	20 to 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

It is the user's responsibility to determine suitability for use. In doubt, please contact Technical Services Department for advice.

- 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.
- Staining from plasticiser migration may occur when used on cast, reconstituted or natural stone such as granite, marble or limestone substrates. Customers should test a sample prior to application.

## ECOLOGY, HEALTH AND SAFETY

Consult MSDS for full list of hazards.

## 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

Improve adhesion by wiping surface with 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. Sikaflex® Primer 3N can be used on porous substrates and Sika® Aktivator 205 on metals or plastics. Large voids should first be filled with 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.*

## 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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