

## PRODUCT DATA SHEET

# SikaSeal® Fire Guard

For maintaining fire wall integrity

### PRODUCT DESCRIPTION

SikaSeal® Fire Guard is a four-hour rated, one part, water based, ablative acoustic sealant that gives a firm yet flexible seal to joints in a variety of internal fire-rated structures. The product, in suitably designed joints, will resist the passage of fire for up to 4 hours.

### USES

- Sealing and filling gaps in fire-rated partition walls and structures.
- Sealing through gaps in fire-rated walls and service trunkings.
- Sealing around door frames.
- Sound deadening around plasterboard panels and joints.
- Sealing low movement construction joints.

### CHARACTERISTICS / ADVANTAGES

- When exposed to heat, SikaSeal® Fire Guard swells greater than 150 % of its original size, creating a char that will resist the passage of fire for up to 4 hours.
- No priming required for most construction substrates.
- Permanently flexible with more than 100 % elongation to ISO 8339.
- For fire resistant joints 12 to 50 mm wide.
- Excellent acoustic properties for sound deadening; average noise reduction of 24 dB (100-3150 Hz).
- Non slump - easy to apply and tool off.
- Fast cure - tack free in 15 minutes.
- Overpaintable.

### APPROVALS / STANDARDS

- CE / UKCA certified EN 15651-1 F-INT.
- EN1366-3 (penetration) and EN 1366-4 (linear gap seal) tested up to 4 hours in specific configurations.
- Certifire CF5026.
- Acoustic performance ISO 140-3.
- Air permeability performance EN 13141-1.

### PRODUCT INFORMATION

<b>Chemical Base</b>	VA acrylate binder with filler to deliver fire resistance
<b>Packaging</b>	295 mL C3 Cartridge
<b>Colour</b>	White and Grey
<b>Shelf Life</b>	24 Months when stored as directed
<b>Storage Conditions</b>	Store in cool dry conditions between +5 °C and +30 °C. PROTECT FROM FROST
<b>Shore A Hardness</b>	~ 40 (ISO 868)
<b>Elongation</b>	>100 % (ISO 8339)

<b>Shrinkage</b>	<25 % (ISO 10563)
<b>Reaction to Fire</b>	Class E
<b>Resistance to fire</b>	Up to 4 hours EN 1366-3 EN 1366-4
<b>Service Temperature</b>	-15 °C to +70 °C
<b>Joint Design</b>	Fire performance 12 mm to 50 mm width at half depth
<b>Flow resistance</b>	<3 mm (ISO 7390)
<b>Yield</b>	~10.5 linear metres with 6 mm bead
<b>Ambient Air Temperature</b>	+5 °C to +35 °C
<b>Substrate Temperature</b>	+5 °C to +35 °C
<b>Curing Time</b>	3 to 5 days dependent on thickness, ambient temperature and humidity
<b>Skin Time</b>	10 minutes depending on conditions

## 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

- Not for use on substrates that may bleed oils, solvents or plasticisers.
- Not for use where joints are constantly immersed in water, or as part of structural glazing systems.
- Known to have compatibility problems with some cPVC piping.

## ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

## 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 to non-porous substrates 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. If priming is required use Sika PVA following guidance for dilution. Large voids should first be filled with EVERBUILD® FIREFOAM B1 to maximize 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 wetted wood. An improved joint appearance can be achieved by placing masking tape to both sides of the joint, removing within 5 minutes of application.

Fire joints need to be both to the side of the wall, and to the surface of the floor joint.

## CLEANING OF TOOLS

Use Sika® Wonder Wipes or wet sponge / cloth when product is wet. Remove cured material mechanically.

## 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.

## 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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### Product Data Sheet

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