Construction

Sika® FireStop

Intumescent Sealant With High Flame Resistance

Product Description	**Sika® FireStop** is a one part gun applied fire proof intumescent sealant, based on polymerised inorganic silicate. Suitable for use in hot and tropical conditions.
Uses	**Sika® FireStop** is suitable for all types of non-moving joints and seals in fire compartments such as fire doors, chimneys, safes, stove pipes, pipe inlets, ventilation tubes etc.
Characteristics / Advantages	■ One part, ready to use ■ Excellent adhesion on most construction materials ■ Easy to use ■ Outstanding resistance to fire ■ Resists high temperature (up to +1000°C) ■ Starts to expand at temperature above +250°C ■ Inorganic - non ignitable and does not give off fumes in fire
Tests	
Approval / Standards	Tested in accordance with the principals of BS 476 Part 4: 1970 “Non combustibility test”

Product Data

Form	
Colour	Black
Packaging	300 ml cartridges

Storage

Storage Conditions / Shelf Life	12 months from date of production if stored properly in undamaged and unopened original sealed containers in dry conditions at temperatures between +5°C and +25°C.

Technical Data

Chemical Base	One part, inorganic polymerised silicate
Density	Approximately 1.95 kg/m³ lt
Skinning Time	< 5 min (+23°C / 50% r.h.)
Curing Rate	Approximately 2 mm / 24hrs (+23°C / 50% r.h.)
Movement Capability	None
Service Temperature	-40°C to +1’000°C

Mechanical / Physical Properties

Shore D Hardness	~ 50 after 7 days (+23°C / 50% r.h.)

System Information

Application Details

Consumption

Theoretical consumption of **SikaFireStop** per 300ml cartridge

$$\text{Length of joint (m)} = \frac{300\ \text{ml}}{\text{Joint width (mm) x joint depth (mm)}}$$

$$\text{Litres/meter run of joint} = \frac{\text{Joint width (mm) x joint depth (mm)}}{1000\ \text{ml}}$$

Substrate Quality

All surfaces must be sound, clean, dry and free from oils and grease or any other surface contaminants.
All loose particles, paint, laitance, rust and other poorly adhering materials should be removed with a rotary mechanical wire brush, grinding or grit blasting followed by blowing out with oil free compressed air.

Substrate Preparation / Priming

No priming is required.
Iron and steel surfaces should be protected with an anti-corrosion primer such as Icosit® EG-1 or Icosit® EG phosphate prior to sealing.

Application Conditions / Limitations

Substrate Temperature

+5°C min. / +30°C max.

Ambient Temperature

+5°C min. / +30°C max.

Substrate Humidity

Substrate must be dry

Application Instructions

Application Method / Tools

Insert a suitable Backing Rod to the required depth.
Insert cartridge into sealant gun and firmly extrude **Sika® FireStop** into the joint making sure that it is in full contact with the sides of the joint.
Fill the joint, avoiding air entrapment. **Sika® FireStop** should be tooled firmly against the joint sides to ensure a good seal and good adhesion.
Masking tape should be used where sharp exact joint lines are required.
Remove the tape whilst the sealant is still soft. Tool the sealant for a smooth surface.

Cleaning of Tools

Clean all tools and application equipment with water immediately after use. Hardened cured material can only be mechanically removed.

Notes on Application / Limitations

Sika® FireStop should only be used for joints with no movement.
Do not use **Sika® FireStop** in contact with materials containing bitumen or pitch.
Sika® FireStop should not be used for structural glazing.
Sika® FireStop is overpaintable. (Only use compatible fire rated coatings)
For best results use opened cartridges the same day.
Sika® FireStop is only for internal use and should be protected from rain / water even after curing.
Observe design standards for fire protection.

Notes

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

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Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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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