

## PRODUCT DATA SHEET

# Sikacrete<sup>®</sup>-630 Fire

Fire resistant load bearing penetration compound

### DESCRIPTION

Sikacrete<sup>®</sup>-630 Fire is a fire resistant gypsum based compound for load bearing penetration seals in floors and walls

### USES

- Vertical penetration seals of combustible and non-combustible services such as soil and vent pipes in fire compartment floors and walls.
- Can be combined with SikaSeal<sup>®</sup>-627 Fire Collar, SikaSeal<sup>®</sup>-628 Fire Wrap or SikaSeal<sup>®</sup>-629 Fire Wrap

### CHARACTERISTICS / ADVANTAGES

- Excellent load bearing properties
- Self supporting in floor penetrations up to 1.8 m × 1.8 m
- Pourable and trowelable application
- Very fast setting, no loss of volume
- 1-part easy to mix, easy to apply
- Up to 2 hours fire resistance

### PRODUCT INFORMATION

<b>Chemical Base</b>	gypsum based compound
<b>Packaging</b>	20 kg bag
<b>Shelf Life</b>	12 months from the date of production
<b>Storage Conditions</b>	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions, protect from direct sunlight and frost. Always refer to packaging.

### TECHNICAL INFORMATION

<b>Resistance to fire</b>	Refer to 'Approvals / Certificates', Sika Passive Fire Protection Handbook or contact Sika Technical Services for specific information.
<b>Service Temperature</b>	-20 °C min. / +70 °C max

### ENVIRONMENTAL INFORMATION

- VOC emission classification GEV-EMICODE EC 1<sup>PLUS</sup>
- Conformity with LEED v4 EQc 2: Low-Emitting Materials

### APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to European Technical Assessment ETA 18/1053, based on EAD 350454-00-1104:2017 - Fire stopping and fire sealing products, penetration seals
- Fire Resistance EN 13501-2, Certificate No. UL-EU-01097-CPR
- Fire Resistance Performance Classification EN 13501-2, Sikacrete<sup>®</sup>-630 Fire, warringtonfire, Classification report No. 401159/H

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	For pourable consistency For trowelable consistency	5.7 L to 6.7 L of water per 20 kg bag 5 L of water per 20 kg bag
<b>Consumption</b>	~6 bags per m <sup>2</sup> at 100 mm depth. This figure is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.	
<b>Layer Thickness</b>	≥ 100 mm Refer to 'Approvals / Certificates', Sika Passive Fire Protection Handbook or contact Sika Technical Services for specific information.	
<b>Ambient Air Temperature</b>	+5 °C min. / +40 °C max	
<b>Pot Life</b>	~5 min (+23 °C / 50 % r.h.)	

## BASIS OF PRODUCT DATA

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.

## LIMITATIONS

- Limitations regarding dimensions and configuration described in the relevant fire resistance classification reports must be considered.
- Do not attempt to extend working time by remixing with additional water once Sikacrete®-630 Fire has started to set
- Sikacrete®-630 Fire is not suitable for applications subjected to constant humidity.
- Sikacrete®-630 Fire is not suitable for underground applications.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### MIXING

**Important:** The consistency must be checked after every mix.

Note: Mix product with mechanical paddle or manually

Note: Mix only enough material sufficient for use within the recommended pot life.

1. Pour the minimum recommended clean water quantity into a suitable mixing container/equipment
2. While stirring slowly, add the powder to the water
3. Mix thoroughly for at least 3 minutes adding water if necessary, to the maximum specified amount and adjust to the required consistency to achieve a smooth consistent mix.

### APPLICATION

Refer to Sika Passive Fire Protection Handbook or contact Sika Technical Services for specific information.

### CLEANING OF TOOLS

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

## 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.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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### Product Data Sheet

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