

PRODUCT DATA SHEET

Sikacrete[®]-630 Fire+

Fire resistant load bearing penetration compound

PRODUCT DESCRIPTION

Sikacrete[®]-630 Fire+ is a fire resistant gypsum-based compound for load bearing penetration seals in fire compartment floors.

USES

- Restores the fire resistance performance of a floor which incorporates a large variety of service penetrations such as cables, cable trays, metal pipes and plastic pipes.
- Can be combined with SikaSeal[®]-629 Fire Wrap.

CHARACTERISTICS / ADVANTAGES

- Up to 4 hours fire resistance.
- 1-part easy to mix, easy to apply.
- Pourable and trowelable application.
- Load-bearing and self-supporting in floor penetrations.
- Very fast setting, no loss of volume.
- Provides acoustic insulation.

PRODUCT INFORMATION

Chemical Base	Gypsum based compound
Packaging	15 kg bag
Shelf Life	12 months from the date of production
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging.

ENVIRONMENTAL INFORMATION

- VOC emission classification GEV-EMICODE EC 1^{PLUS}.
- Conformity with LEED v4 EQc 2: Low-Emitting Materials.

APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to European Technical Assessment ETA 21/1033, based on EAD 350454-00-1104:2017 - Fire stopping and fire sealing products, penetration seals.
- Fire Resistance EN 13501-2, UL-EU, Certificate No.UL-EU-01217-CPR.

TECHNICAL INFORMATION

Service Temperature	0 °C min. / +70 °C max.
Resistance to fire	Refer to 'Approvals / Certificates' or contact Sika Technical Services for specific information.

APPLICATION INFORMATION

Mixing Ratio	For pourable consistency	8.8 L to 10.0 L of water per 15 kg bag
	For trowelable consistency	6.0 L to 6.5 L of water per 15 kg bag
Consumption	~3.5 bags per m ² at 50 mm depth. ~7 bags per m ² at 100 mm depth These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.	
Layer Thickness	Refer to 'Approvals / Certificates' or contact Sika Technical Services for specific information. For load-bearing applications, layer thickness must be ≥ 100 mm.	
Ambient Air Temperature	+5 °C min. / +40 °C max.	
Substrate Temperature	+5 °C min. / +40 °C max., min. +3 °C above dew point temperature	
Pot Life	~15 min (+23 °C / 50 % r.h.)	

VALUE BASE

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.

FURTHER DOCUMENTS

- Sika Application Manual: Sikacrete®-630 Fire+.
- Brochure Sika Fire Protection Solutions.

LIMITATIONS

- 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.
- Bare metal in contact with Sikacrete®-630 Fire+ must be protected against corrosion using a suitable primer or protection system.
- Sikacrete®-630 Fire+ may only be used for applications and in combination with products it was tested for.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Sikacrete®-630 Fire+ adheres without primers and/or activators. Moistening the substrate before casting will improve adhesion.

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 2 minutes adding water if necessary, to the maximum specified amount and adjust to the required consistency to achieve a smooth consistent mix.

APPLICATION

Reference must be made to the relevant Sika Application Manual or contact Sika Technical Services for additional 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.

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