

PRODUCT DATA SHEET

Sikacrete[®]-630 Fire+

Fire resistant load bearing compound

DESCRIPTION

Sikacrete[®]-630 Fire+ is a non-combustible gypsum-based compound, used 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

Composition	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.

SUSTAINABILITY

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

APPROVALS / CERTIFICATES

- 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

Appearance and colour Light grey powder

TECHNICAL INFORMATION

Service temperature	0 °C min. / +70 °C max.
Resistance to fire	Refer to 'Approvals / Certificates', Sikas digitale håndbog for gennemføring 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', Sikas digitale håndbog for gennemføring 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.)	

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.

FURTHER INFORMATION

- Sika Application Manual: Sikacrete®-630 Fire+
- Sikas digitale håndbog for gennemføring [Digital håndbog for passiv brandsikring \(sika.com\)](#)

IMPORTANT CONSIDERATIONS

- 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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing 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 EQUIPMENT

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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