

Technical Leaflet

KBS® FR Caulking

Intumescent sealant for fire stopping of cable and pipe penetration seals.

1. Usage

Field of application	KBS® FR Caulking is used for the fire stopping of various types of penetrants (cables and pipes) which are routed through fire rated walls or floors. It is also a constituent of the panel seal systems KBS® Kombischott INT and ABL. It is designed for closing the joints around lines penetrating through fire rated building components. KBS® FR Caulking is stable to humidity and water attack.
Application method	KBS® FR Caulking is applied directly from a cartridge.

2. Application

Concentration	The product is ready to use and does not need to be diluted.
Drying time	Depending on temperature and humidity: an approx. 5 mm thick layer is completely dry after about 14 days (20°C/65% humidity).
Application	See additional technical documentation.
Cleaning of equipment	With water.
Disposal	In accordance with national regulations. See also safety data sheet.

3. Scope of testing and approval

Building product class	E acc. EN 13501-1.
ETA	Applied for.
MLAR (Germany only)	Approved to seal cable and pipe penetrations through fire rated walls.
UL	Tested and approved for Through Penetration Fire Stopping of cable and pipe penetrations through fire rated walls and floors.
EN 1366-3	Tested and classified as component of the systems KBS® Kombischott INT and ABL (mixed penetration seals).
VKF-Approval (Switzerland)	Approved as component of the systems KBS® Kombischott INT (mixed penetration seal).

4. Product specification

Delivery form	KBS® FR Caulking is a grey dispersion-bonded sealant.
Odor	In the wet state typical for the species. Odorless after drying.
Density	Approx. 1.40 g/cm ³ (at 20°C)
pH-value	Approx. 5.0 (at 20°C)
Behavior in heat	Under optimum conditions, volume expansion of approx. 20 times with formation of a fine-pored foam.
Active ingredients	KBS® FR Caulking contains intumescent ingredients, pigments and auxiliaries. KBS® FR Caulking is free of halogens and solvents.

5. Storage

Storage conditions	Store in closed containers. Carefully reseal opened containers after use.
Storage temperature	5 – 30°C. Protect from frost!
Shelf life	In sealed original containers at recommended storage temperature at least 24 months.

6. General Instructions

Safety precautions	When working with KBS® FR Caulking it is generally recommended to wear safety glasses and protective gloves.
Packaging	Cartridges with 310 ml content, pails with 15 kg content.

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