

Technical Leaflet

KBS® Sealbags

Fire protection pillows for flexible sealing of cable penetrations in walls and floors.

1. Usage

Field of application	KBS® Sealbags are primarily used for flexible sealing of cable penetrations in walls and floors, when cables have to be replaced or re-routed frequently. Are used in dry interior rooms up to max. 85 % humidity (at 20°C).
Application method	By hand. See additional technical documentation.

2. Application

Helpful equipment	Round wooden bar, guide plates for inserting the fire protection pillows.
Compactibility	After workmanlike installation even continual vibrations of the building will not cause further compacting of the filler in KBS® Sealbags. Therefore, the risk of gap formation or crevices can be excluded.
Disposal	In accordance with national regulations. See also safety data sheet.

3. Scope of testing and approval

ETA	ETA-20/0874, CE-marked.
Type approval (Germany)	Approved as cable penetration seal, Z-19.53-2435.
EN 1366-3	Tested and classified as cable penetration seal.
VKF-Approval (Switzerland)	Approved as cable penetration seal.
FM 4990	Approved as cable penetration seal.
UL	Approved as cable penetration seal.

4. Product specification

Form of supply	White pillow shaped elements with blueprint.
Composition	Fire protection pillows consist of a tightly woven, flexible glass fabric cover and a free-flowing filling.
Ingredients of filling	Mineral fibres, incombustible components, water-insoluble expansion agents and special fire retardant additives.
Resistance against water / humidity	KBS® Sealbags are water- and weather-resistant which is tested in long-time laboratory tests.

Behaviour in fire	3 phase-reaction in case of fire: <ul style="list-style-type: none"> • at approx. 130°C the various components of the bags start gluing up and sticking together, preventing the fillers from running out, even if the sheath is damaged by mechanical impact. • at approx. 280°C the content begins to expand. • at approx. 800°C a "ceramic reaction" causes the content to harden into a solid block. 	
Sizes	KBS® Sealbags 60	340 x 55 x 10 mm (LxWxH, not compressed)
	KBS® Sealbags 250	340 x 180 x 13 mm (LxWxH, not compressed)
	KBS® Sealbags 400	340 x 180 x 18 mm (LxWxH, not compressed)
	KBS® Sealbags 720	340 x 180 x 35 mm (LxWxH, not compressed)
	KBS® Sealbags 1500	340 x 330 x 35 mm (LxWxH, not compressed)

5. Storage

Storage Store cardboard boxes in dry environment.

Storage temperature No limitations.

6. General instructions

Safety precautions When installing KBS® Sealbags observe the general rules for safety at work.

Packaging	KBS® Sealbags 60	Cardboard box containing 30 pcs.
	KBS® Sealbags 250	Cardboard box containing 20 pcs.
	KBS® Sealbags 400	Cardboard box containing 35 pcs.
	KBS® Sealbags 720	Cardboard box containing 20 pcs.
	KBS® Sealbags 1500	Cardboard box containing 10 pcs.

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