

OB1 HEATPROTECT FIRE RESISTANT HYBRID SEALANT

OB1 HeatProtect Fire Resistant Hybrid Sealant is a premium and durable 1-component fire retardant sealant on a hybrid base. Providing up to 4 hours of fire resistance in linear (movement) joints. Absorbs movements up to 25%. This hybrid sealant can also be applied in horizontal joints and between walls and floors and ceilings to create a fire resistant seal.

Benefits

- Tested according to EN 1366-4
- Up to 4 hours of fire resistance
- Also suitable for wall/ceiling and wall/floor joints
- Suitable for joints up to 30 mm wide
- Prevents unwanted airflows
- Excellent processing and easy toolability
- Joint movement up to 25%
- Paintable with most water and oil based paints
- Resists fungus and vermin
- Not corrosive towards metals
- UV, weather and water resistant
- Durable
- Odourless

Applications

Fire resistant sealing of connection and expansion joints in constructions, which require a fire resistant sealant. Prevents the spread of fire, smoke and toxic gases. Also suitable for horizontal joints and connection of floor and ceiling joints with walls. Fire resistance tested according to EN 1366-4 offering 240 minutes of fire resistance in a horizontal or vertical (movement) joint of 30mm wide.

Directions

Surfaces must be clean, free of dust, rust, grease, oil and other contaminants. A joint with the correct dimensions is able to absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width of 10mm is 1:1, with a minimum of 5mm in width and depth. For joints wider than 10mm, the depth is the width divided by 3 plus 6 mm.

Shelf Life

Store between +5°C and +25°C and in shaded conditions. Shelf life is 18 months from date of manufacture when stored as recommended in original unopened packaging.



Technical Specifications

100% modulus	0,49 N/mm ²
Application rate	115 g/min
Application temperature	+5°C to +40°C
Base	Hybrid
Curing time	2-3 mm/24 hours
Density	1,48 g/ml
Elongation at break	350%
Flow	< 2 mm
Frost resistance during transportation	Up to -15°C
Joint movement	25%
Shorea hardness	24
Skin formation	10 minutes @ +23°C/50°C RH
Temperature resistance	-40°C to +90°C
Tensile strength	0,96 N/mm ²

These are typical values

Limitations

Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates.

Paintability

OB1 HeatProtect Fire Resistant Hybrid Sealant is paintable with most water- and oil based paints. Pre-test of compatibility is recommended.

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