SEALFLEX-FR

FLEXIBLE FIRE RESISTANT SEALANT

SEALFLEX-FR Sealant is an flexible acrylic based gunnable sealant for fire resistant sealing of joints and service penetrations for up to 4 hours FRL.

SEALFLEX-FR Sealant bonds to masonry, concrete, calcium silicate board, plasterboard, metal and cable coverings and remains flexible after curing to accommodate thermal movement.

TYPICAL APPLICATIONS

- Expansion joints in compartment walls and floors
- Sealing in and around lightweight flexible partitioning
- Gaps between timber and steel doors and window frames and the substrate
- Decorative joints
- Sealing around service penetration, steel pipes, steel ducts, duct trays, cables and cable trays
- Used with SEAL FLEX BOARD for large service penetrations

FEATURES

- Tested up to 5 hours
- Suitable for gaps up to 50mm wide
- Non-toxic and non-irritant
- Acoustic properties
- Available in white or grey
- Flexible
- Reduces air leakage
- Water resistant
- Resistant to mould fungus and vermin attack
- Can be painted
- Good adhesion
- UV resistant
- Asbestos free
- VOC Comply

PRODUCT SPECIFICATION

PHYSICAL FORM DENSITY	VISCOUS PASTE 1.4 g/cm³
COLOUR	WHITE, GREY AND RED
TYPICAL CURE TIME	20 MIN APROX. TACK FREE
COATED SURFACE TEMP	+6°C to +100 °C
APPLICATION TEMP	+6°C to +100 °C
TEMPERATURE RESISTANCE	-40°C to +100 °C
FIRE PERMORMANCE	BS476pt 20(1987)
VOC	≤50g/ml
SHRINKAGE	≤10%
MOVEMENT CAPABILITY	Aprox. 20%
INITIAL CURING	30MIN

engineered to perform

APPLICATION PROCEDURE

Ensure the substrate is compatible with SEALFLEX FR . Ensure that any damage to the substrate has been repaired and site and weather conditions are within specificatio. Surface or substrate temperature should be 5°C or above at the time of application. For lower temperature application, contact OBS tech.support prior to use. Avoid contamination of waterproofing, form release and curing agents.

Joint Design

Open cell polyethylene backing rod shall be used to control the depth of the joint sealant application to the recommended thickness. Correct joint design is necessary to ensure SEALFLEX performs to its maximum movement capability and provide the appropriate fire rating. The size of the open cell backing rod used shall allow for 25% compression when inserted into the joint.

Joint Width	Joint Depth
6mm to 10mm	Equal to joint width
6mm to 10mm	Equal to joint width
20mm to 40mm	Half of joint width

Joint preparation

Joint surface must be clean and dry remove all dust and laitance by grit blasting, grinding or rigorous wire brushing. Blow all joints clean using dry, oil free compressed air.

Where necessary to achieve the correct joint profile, backing cord should be used. Where backing cord is not used place bonding tape in based of joint. Where a neat finish is required, masking tape should be applied down each side of the joint prior to the sealant works, it should be removed immediately after tooling the sealant.

Priming

Priming is not generally required with this material, when using in dry, sound, well prepared joints or which have been reformed using resin based mortar. If any thing required , consult with OBS tech. support .

Installation

SEALFLEX FR can be applied by hand, trowel or air operated gun. Ensure that the sealant is pushed firmly in to the joint to give complete wetting of the surface. Any tooling of the sealant surface must be carried out immediately using a joint shaping tool soaked in white spirit, or a wet sponge. If required the edges of the joint can be protected with masking tape – if this is done ensure that the tape is removed immediately after tooling.

PACKING

Std available Packing : 20 L Pail and 600 ml cartridge

STORAGE AND SHELF LIFE

If store in a dry and covered place , the shelf life will be 12 months

HEALTH AND SAFETY

Using gloves, goggles and other protective clothing is advised to use SEALFLEX.
If swallowed, do not induce vomiting .Direct contact may result in mild irritation. Read and follow all application, label, precautions, and health and safety information prior to use. Refer to the Material Safety Data Sheet for complete health and safety information.

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