

Fire Resistant Elastomeric Sealant

SEALFLEX-FR400 Sealant is a specifically developed flexible solvent free neutral cure gunnable sealant for fire resistant sealing of joints and service penetrations . SEALFLEX-FR 400 tested up to 4 hours in accordance with ASTM E 814 (UL 1479) , UL 2079 & CAN/ULC-S115 . SEALFLEX-FR Sealant bonds to masonry, concrete, calcium silicate board, plasterboard, metal and cable coverings and remains flexible after curing to accommodate thermal movement.

Advantages

- Tested up to 4 hours F-rating for Control Joints
- Tested up to 4 hours F-rating for Penetration Seals
- Non-toxic and non-irritant
- Acoustic properties
- Available in white or grey
- Flexible and Can be painted
- Good adhesion , suitable for horizontal and vertical applications
- UV resistant
- VOC free

Description

Seal flex FR400 is based on a specially developed elastomeric polymer system which gives enhanced technical properties .It cures by loss of carrier to form a flexible seal. It is applied simply from the cartridge/pail and can be finished neatly using suitable tooling. When cured it will be accommodates thermal and moisture movements. It can be over coated with most gloss or emulsion paints.

Properties

Consistency	Thixotropic
Binders	Elastomeric Silicon
Fillers	Fine precisely graded fillers
Expansion	+/- 15% of original joint width
Drying Time	Surface dry < 2 hours at 35° & 65% R.H Hard dry (at 10mm thickness) approx. 5 days at 35°C & 85% R.H
Colour	Grey/White/ Red /Black
Age Resistance	Excellent
Service temperature	-20°C to 150°C
Toxicity	Non toxic and fully eco friendly
Consumption	4.5 LM / 1KG for 10mm joint width
Excellent over coating properties	Yes.
VOC	5.4 g/l



engineered to perform

Test Compliance

ASTM E814 and UL1479 Test method for through stop fire penetrations.
ASTM E1966 and UL2079 Test method for fire resistance of building joint systems
ASTM E1399 Test method for cyclic movement and measuring joint width.
ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound

Instruction for use

Sealflex FR400 has excellent adhesion to most substrates used in construction, particularly concrete, mortar, block work, wood, anodized bronze. It also bonds very well to some painted surfaces, but it is advisable to carry out a site trial first to assess the suitability of the particular coating in question.

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 the base 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. For further assistance, consult with the technical team of ORGANIX.

Application

Sealflex FR400 can be applied by hand, trowel or air operated gun. For larger applications it can be pumped directly from the pail. Sealflex FR400 is applicable for through firestop penetrations and for floor to wall, floor-to-floor and head of wall applications. It is flexible and is ideal for applications where joint expansion and contraction can occur. Apply required depth of sealant beginning on the edge of the opening (use over various backing materials required) Insure that the sealant makes complete contact with the inside surface of the opening and also the surface of the penetrating items. On joints, the surfaces should be clean and free from dust ,dirt, oil, grease, loose material, rust or other substances. Apply the required thickness in the joint or over the insulation if required.

Maintenance

If the sealant or system is damaged and the bond is intact, cut out the damaged area and replace.

Packing

Available in 20 kg metal pails, 5 kg buckets and std. cartridges

Storage:

SEALFLEX FR400 has a shelf life of twelve months from date of manufacture when stored in the original unopened container in dry, shaded conditions.

Technical Support

OBS representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct jobsite inspections. For further assistance contact ORGANIX tech.support.

HEALTH AND SAFETY

Wear protective clothing, gloves and goggles.

Skin:- Avoid repeated or prolonged contact, if contact occurs ,clean with hand cleaner that removes oil or grease , then clean with soap and water. **Eyes :-** Contact could cause irritation. If contact occurs, flush with clean water. **Inhalation:-**Can cause dizziness. Remove to fresh air and if breathing difficulty persists, administer oxygen.

