

Webbseal FR-A

Fire Rated Intumescent Acrylic Sealant

Features & Benefits

- Conformance: BS476 part 20 (Report: WARRES No. 120860) ISO 11600-F-12.5P
- Stops spread of smoke
- Bonds most substrates
- Non-toxic
- Acoustic properties
- Colour: white
- Available in 310ml x 25 per box & 10 litre pail
- Webbseal FR-S Silicone and Webbflex B1 Foam also available



Description

Webbseal FR-A is a one-part fire resistant joint sealant. The formulation is based on an emulsion acrylic, which gives a firm, but flexible seal to joints in a variety of fire rated structures. The product has been designed to give optimum sealing and application performance by both cartridge and trowel coupled with outstanding fire resistance. Webbseal FR-A has been extensively tested to BS 476 part 20 and is capable of providing over 4 hours fire resistance in joint widths up to 50mm wide

Typical Uses

Webbseal FR-A is intended for sealing joints, voids and irregular holes in fire walls, partitions and other structures and for maintaining integrity when sealing around pipe and cable penetrations. It is also ideally suited for perimeter pointing around fire door frames and windows. The product can also be used as an acoustic sealant.

Technical Information

Type	Emulsion Acrylic
Curing System	Evaporative Cross Linking
Conformance	BS476 Part 20 (Report WARRES No. 120860) ISO 11600-F-12.5P
Specific Gravity	1.6
Application Temperature Range	+5°C to +40°C
Service Temperature Range	-15°C to +75°C
Tooling Time (Approx)	15 minutes
Tack Free Time (Approx)	>60 minutes
Full Cure	7 days
Standard Colour	White
Packaging	310ml cartridges x 25 per box

Example Test Summaries for Vertical Joints

Consult the technical department for additional data

Materials Tested	Gap Width & Sealant Depth	Wall Thickness	Test Result		Test Ref Standard
			Integrity	Inulation	
Webbseal FR-A Applied to one face of a blockwork wall using foam backer rod to set sealant depth	25 mm Gap 10 mm sealant depth	150 mm	>4 hours - test stopped with no failure	0 hours 29 minutes	TE9802 BS476 Pt 20
	25 mm Gap 15 mm sealant depth	150 mm	>4 hours - test stopped with no failure	0 hours 29 minutes	TE9802 BS476 Pt 20
	50 mm Gap 25 mm sealant depth	200 mm	4 hours 5 minutes	1 hour 22 minutes	WARRES No 120860
Sealing Blockwork and door frame inserts	25 mm Gap 12 mm sealant depth	200 mm - softwood faced on one side	0 hours 55 minutes	0 hours 54 minutes	WARRES No 120860
	50 mm Gap 25 mm sealant depth	200 mm - hardwood faced on one side	1 hour 36 minutes	1 hour 32 minutes	WARRES No 120860
	50 mm Gap 25 mm sealant depth	200 mm - steel faced on one side	1 hour 17 minutes	1 hour 32 minutes (Thermocouple detachment)	WARRES No 120860

Surface Preparation

Priming is not required with most construction materials but very porous surfaces should be primed with Webbfix Universal PVA. All surfaces must be clean and sound, free from dirt, grease and other contamination. Wood plaster and brick may be damp but not running wet. Use mechanical abrasion to clean porous surfaces if necessary before application. Joint width and joint depth should not be less than 3mm to ensure adequate penetration of the sealant and performance. For sealing around door and window frames 6mm or more joint widths are recommended. Deep joints should be filled with an approved material such as Webbflex B1 PU Foam which will provide an effective backing as well as providing additional fire resistance.

Application

Cut off end of thread with a sharp knife, avoiding damage to the thread. Cut nozzle to desired size and angle, apply to the prepared joint by applying an even pressure to the gun trigger. Ensure good contact to joint surfaces by tooling the joint. Strike off the sealant flush with the surface within 5 minutes of application. During curing a small amount of shrinkage will occur. If a flush finish is required fill the joint slightly proud of the surface to allow for shrinkage. The sealant will be tack free in approximately 60 minutes and will be fully cured within 7 days depending on the joint depth, humidity and ambient temperature.

Storage

Store between + 5°C and 25°C in dry conditions in original packaging. Shelf life approximately 12 months. Do not allow to freeze.

Limitations

Not recommended for use with bitumen or asphalt. Do not use with materials which may bleed oils or solvents. Do not use in permanently submerged joints. The user is advised to conduct tests to determine the suitability of the product for the intended application.

Health & Safety

Product Health and Safety Data Sheet must be read and understood before use.