

Technical Datasheet Arbo XL 1075

Arbo XL 1075 is a One-part Fire Retardant Water-based Acrylic Sealant. It exhibits good adhesion to a wide variety of common building substrates without the need for a primer. Paintable with emulsion paints three hours after application. Allow 12 hours before overpainting with gloss paints. When subject to flame Arbo XL 1075 will intumesce (expand and char), thus blocking the passage of fire and smoke.

Main Application

Recommended for perimeter sealing of internal fire doors and screens and fire resisting movement joints in internal walls subject to low movement. *It is not recommended for use in movement joints subject to high degrees of movement or joints in external situations.*

Specification Compliances

BS EN ISO 11600 F 7.5P

BS 476 Part 20: 1987

Warres Report No: 23282, 9th March 1995

Warres Report No: 116997, 20th February 2001

Warres Report No: 119344, 12th July 2001

Warres Report No: 123325/A, 27th March 2002

Application Instructions

Joint preparation

The joint surfaces must be clean, dry and free from all contamination. The surfaces should be degreased using the appropriate Arbo Cleaner.

Joint Backing

Where applicable, appropriate joint filler e.g. Rockwool or closed cell polyethylene foam, should be used to provide the correct joint depth (*see chart under Technical Data for fire integrity and insulation achieved*).

Application

Arbo XL 1075 is supplied in cartridges and can be applied into the joint using an Arbo Caulking Gun.

All joint preparation, priming, and sealant application should be carried out in accordance with BS 8000 Part 16, the British Standard for the sealing of joints in buildings using sealants.

Joint Size suitability

Joint width

Minimum 6mm

Maximum 20mm (*single application*)

Joint Depth

Minimum 10mm on porous substrates

Minimum 10mm on non-porous substrates

Maximum 20mm

Width:Depth ratio (*within above min/max restrictions*)

Contact Technical Services. In general, joints should be as narrow as possible to prevent passage of fire.

Storage Life

12 months in original unopened package stored in a cool, dry place out of direct sunlight.

Health & Safety

Avoid prolonged contact with the skin. If sealant comes into contact the eyes, flush with copious volumes of cold water and obtain medical attention. For further information consult Product Safety Data Sheet P3.

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Technical Data

Properties	Values
Application temperature.....	+5°C to +40°C
Service temperature.....	-10°C to +70°C
Skinning time @ 20°C/65%RH.....	5 minutes
Cure rate.....	Time to full cure is dependent on sealant depth, ambient temperature and humidity.
Chemical resistance.....	Fair resistance to most alkalis and dilute acids; poor resistance to hydrocarbon solvents.
UV resistance.....	Not applicable
Service life.....	15 years +
Movement accommodation.....	Butt joints (<i>movement in tension and compression</i>): 10% Lap joints (<i>movement in shear</i>): 20%
Colours.....	White, Grey.

Accessories:

Cleaners

Arbo Cleaner No.13 1 Litre tin
(Toluene based – *not suitable for use with plastics or delicate finishes*)
Arbo Cleaner No.16 1 Litre tin
(Alcohol based)

Equipment

Polyethylene nozzles
Arbo Caulking Guns

Fire Test Results				Quantity Estimator	
Joint size (mm)	Backing Material	Integrity (mins)	Insulation (mins)	Joint size	Metres per litre
15 x 10	Foam Polyethylene	241	19	10 x 10	10.00
15 x 20	Foam Polyethylene	241	40	15 x 10	6.66
30 x 12	Rockwool	240	60	15 x 20	3.33
30 x 12	Foam Polyethylene*	240	118	30 x 12	2.77
35 x 12	Rockwool	240	142	35 x 12	2.38

*Test incorporates seals and backing material on both faces of the construction.

Packaging: 25 x 380ml plastic cartridges. Polyethylene nozzles are included in each box.

Important: The information in this leaflet is given in good faith and based on results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since the conditions of use are beyond our control. Goods are supplied subject to the Company's terms and conditions of sales, a copy of which is available on request.

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