

ARBOSEAL PRO[®]

ARBOSIL 1071

Arbosil 1071 is a one-part Low Modulus Fire Resisting and Acoustic Silicone Sealant which cures on exposure to moisture vapour to form a very elastic silicone rubber. Arbosil 1071 has good adhesion to concrete and many other common construction substrates.

Main Applications

Expansion joints and other details to prevent the passage of fire. Recommended for use in sports stadiums where a fire seal is required. Fire resistance of up to 4 hours has been independently verified (details available on request from ARBO[®] Technical Services).

NB: Not recommended for overpainting and for use against natural stone.

Application Instructions

Joint Preparation

The joint surfaces must be clean, dry and free from all contamination. Use ARBO Cleaner as appropriate. ARBO Primer 2650 is required on some substrates. Contact ARBO Technical Services for specific advice regarding primer and cleaner.

Joint Backing

Mineral wool or closed cell, cross-linked polyethylene foam. As appropriate and as per fire tests (see below for fire test document references.)

Ensure all use of Arbosil 1071 is within the scope of the fire tests and accords with joint seal dimensions, backing materials and any other considerations necessary to achieve a specific level of fire integrity. Copies of fire test reports are freely available from ARBO Technical Services.



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Application

All joint preparation, priming, and sealant application should be carried out in accordance with BS 8000 Part1 –6: 1997 + A1: 2010 the British Standard for the sealing of joints in buildings using sealants. Arbosil 1071 is supplied in polyethylene 380ml cartridges and can be applied into the joint using an ARBO Caulking Gun.

Joint Size Suitability

Joint width

Minimum 6mm

Maximum 25mm

(single application)

for advice on multiple applications please contact ARBO Technical Services.

Width: Depth ratio

(within above min/max restrictions)

Contact ARBO Technical Services for specific advice.

Health and Safety

Please consult the Safety Data Sheet for full information.

Storage Life

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

Accessories

Primers

25 x 380ml Polyethylene Cartridges per box. Polyethylene Nozzles are included in each box.

Cleaners

ARBO Cleaner No.17- 1 Litre tin (Xylene based – not suitable for use with plastics or delicate finishes)
ARBO Cleaner No. 16 - 1 Litre tin (Alcohol Based)

Ancillary Equipment

Polyethylene Nozzles
ARBO Caulking Guns

Packaging

25 x 380ml Polyethylene Cartridges per box. Polyethylene Nozzles are included in each box.

Technical Data

Colours:	White
Application Temperature:	+5°C to + 50°C
Service Temperature:	-50°C to + 120°C
Typical Shore Hardness:	20
Cure Rate at 20° C/65 % RH:	1mm/24 hours
Chemical Resistance:	Not recommended for use where there will be contact with chemicals unless approved by ARBO Technical Services.
UV Resistance:	Very good
Skin Time at 20° C/65 % RH:	45 minutes
Service Life:	25 years +
Movement Accommodation:	Butt joints (movement in tension and compression): 50 %.
Lap joints (movement in shear):	100%

Specification Compliance

BS EN ISO 11600 – F/G – 25 LM
BS 5889 Type A: 1989
BS 476 Part 20:1987

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. It is the user and specifier's responsibility to ensure ARBO product is suitable for the intended use: consult ARBO Technical Services for specific advice. 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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