ARBOSEAL PRO®

ARBOSIL 1090

Arbosil 1090 is a one-part Low Modulus Neutral Cure Silicone Sealant which cures on exposure to moisture vapour to form a very elastic silicone rubber. Arbosil 1090 has good adhesion to concrete, brickwork, metals, and many other common construction substrates.

Main Applications

Recommended for use in many construction applications including curtain walling, both original and remedial perimeter sealing, structural joints in light cladding, profiled metal roof sheets, joints in flat roof systems and guttering joints.

NB: Not recommended for overpainting, use with laminated glass, and use against natural stone.

Application Instructions

Joint Preparation

The joint surfaces must be clean and free from all contamination. Surfaces should be degreased using the appropriate surface cleaner (contact ARBO® Technical Services for further information)

Joint Backing

Where applicable, use appropriately sized cross-linked, closed cell Polyethylene foam.

Application

All joint preparation, priming, and sealant application should be carried out in accordance with BS 8000-16: 1997 + A1: 2010 the British Standard for the sealing of joints in buildings using sealants. Arbosil 1090 is supplied in polyethylene 380 ml cartridges and can be applied into the joint using an ARBO® Caulking Gun.



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Joint Size Suitability

Joint width
Minimum 6 mm
Maximum 25 mm (single application); for advice on multiple applications please contact ARBO® Technical Services Department.

Joint Depth
Minimum 10 mm on porous substrates Minimum 6 mm on non-porous substrates Maximum 20 mm.

Width: Depth ratio (within above min/max restrictions)
2:1 butt joints
1:1 lap joints

Health and Safety

Please consult the Safety Data Sheet for full information.

Packaging

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

Accessories

Primers
ARBO® Primer 2650 (500 ml tin)

Cleaners
ARBO® Cleaner No.17–1 Litre tin (Xylene based – not suitable for use with plastics or delicate finishes)

Ancillary Equipment
Polyethylene nozzles
ARBO® Caulking guns

Technical Data	
Colours:	Grey, Black, Buff, Dark Bronze, Portland, Rustic Red*.
Skin Time at 20 °C/65 % RH:	10–20 minutes
Application Temperature:	+ 5 °C to + 50 °C
Service Temperature:	- 50 °C to + 120 °C
Cure Rate at 20 °C/ 65 % RH:	1 mm/24 hours
Chemical Resistance:	Resistant to most dilute acids and alkalis. Organic solvents may cause the sealant to swell and lose adhesion.
UV Resistance:	Very good
Movement Accommodation:	Butt joints (movement in tension and compression): 70 %. Lap joints (movement in shear): 150 %.

* (Special colours can be made to order subject to minimum batch size quantities. Please contact Adshead Ratcliffe Technical Services Department for further information).

Specification Compliance
ISO 11600 – F/G – 25 LM

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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