



Technical Datasheet Arbosil LM

Arbosil LM is a one part Neutral Cure Silicone Sealant which cures on exposure to moisture vapour to form an elastic silicone rubber.

Main Applications

Recommended for perimeter sealing of PVCu frames and sealing joints in brickwork, the MVP and Heel Bead methods of glazing insulating glass units, remedial glazing, and sealing joints in translucent roofing sheets.

It is not recommended for overpainting, use in glass wall assemblies and use against natural stone.

Specification Compliance

BS EN ISO 11600 – F/G – 25 LM

BS 5889 Type A: 1989

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. Primers may be required on some substrates. It is recommended that Adshead Ratcliffe Technical Services Department should be consulted and advice obtained with regard to the choice of primer for specific purposes.

Joint Backing

Where applicable, appropriate joint filler e.g. closed cell polyethylene foam, should be used to provide the correct joint depth.

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.

Application

Arbosil LM is supplied in polyethylene 310 and 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*); 50mm (*multiple applications*)

Joint Depth

Minimum 10mm on porous substrates

Minimum 6mm on non-porous substrates

Maximum 15mm

Revision Date: 10.10.07

1/3

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

2:1 butt joints

1:1 lap joints

Packaging

25 x 310ml or 380ml Polyethylene Cartridges per box. Polyethylene Nozzles are included in each box.

Colours

White, Black, Grey, Translucent, Anthracite, Brown, Buff, Dark Bronze, Portland, Rustic Red, Magnolia

Storage Life

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

Health and Safety.

Contains Oximosilanes (Not Translucent Grade). Please consult Material Safety Data Sheets for full information

LM Translucent has its own Material Safety Data Sheet.

Technical Data

Skin Time at 20° C/65 % RH (Coloured Grades): 10 minutes

Skin Time at 20° C/65 % RH (Translucent Grade): 20 minutes

Application Temperature: + 5° C to + 40° C

Service Temperature: - 40° C to + 120° C

Typical Shore A Hardness: 30

Cure Rate at 20° C/65 % RH: 2mm/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

Service Life: 25 years+

Movement Accommodation:

Butt joints (movement in tension and compression): 50 %. Do not to exceed ± 33 % in any one direction

Lap joints (movement in shear): 100 %. Do not to exceed ± 66 % in any one direction

Revision Date: 10.10.07

2/3

Accessories

Primer

Arbo Primer 2650 (500ml tin) Yield approximately 125 metres per tin

Arbo Primer 2402 (500ml tin) Yield approximately 200 metres per tin

Arbo Primer 2172 (500ml tin) Yield approximately 200 metres per tin

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

Quantity Estimator

Joint Size (mm)	Metres/Litre
6 x 6	27.8
9 x 6	18.5
12 x 9	9.3
18 x 10	5.6
25 x 10	4.0

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.

Adshead Ratcliffe, Derby Road, Belper, Derbyshire DE56 1WJ, England.

Telephone: 01773 826661

Fax: 01773 821215

Internet: www.arbo.co.uk