

ARBO

ARBOSIL HDLMS

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Arbosil HDLMS is a new one part Neutral Cure Silicone Sealant which cures on exposure to moisture vapour to form a durable elastic silicone rubber. Arbosil HDLMS is designed to produce a higher viscosity to enhance the body of the product for improved tooling properties, with quick skinning and full cure time.

MAIN APPLICATIONS

Recommended for most glazing and general construction sealing, including perimeter sealing of PVCu frames and sealing joints in brickwork, blockwork, glazing insulating glass units, remedial glazing, and sealing joints in translucent roofing sheets.

Can be used without the need for a primer on most construction substrates, although some substrates may benefit from primer application for longer lifespan. Suitable for use with all different forms of glass (other than self-cleaning glass - refer to Arbo Technical Services for specific advice).

Can be used for industrial applications including lead, stainless steel, coated metals

and HVAC ducting. General maintenance and sealing suitability.

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



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 Baking

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 HDLMS is supplied in polyethylene 280ml, 310ml 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

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

2:1 butt joints

1:1 lap joints

PACKAGING

25 x 280ml, 310ml or 380ml Polyethylene Cartridges per box. Polyethylene Nozzles are included in each box

COLOURS

White, Translucent. Other colours available to special order (MOQ's apply)

STORAGE LIFE

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

HEALTH AND SAFETY

Contains Oximosilanes. Please consult Safety Data Sheet for full information.

TECHNICAL DATA

Skin Time at 20° C/65 % RH:	10 minutes
Application Temperature:	+ 5° C to + 40° C
Service Temperature:	- 40° C to + 120° C
Typical Shore Hardness:	30
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 %. Lap joints (movement in shear): 100 %.

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 Latex Gloves Silicone Tooling Block/Silicone Tooling Sticks Blue Wipes roll

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

SPECIFICATION COMPLIANCE**Colours** - BS EN ISO 11600 – F – 25 HM**Translucent** - BS EN ISO 11600 – F – 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. 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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