

Technical Datasheet Arbosil HM

Arbosil HM is a One-part High Modulus Acetoxy Cure Silicone Sealant, which cures rapidly on exposure to moisture vapour to form a resilient elastic silicone rubber. All colours contain a fungicide to help reduce the incidence of mould growth.

Main Application

Recommended for sealing of aluminium sheets and components. *It is not recommended for overpainting, use against most metal surfaces and use against natural stone.*

Specification Compliances

BS EN ISO 11600 F/G 25HM

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.

Application

Arbosil HM 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 25mm (*single application*); 35mm (*Multiple application*)

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

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 with the eyes, flush with copious volumes of cold water and obtain medical attention. For further information consult Product Safety Data Sheet P53.

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Arbosil HM****Technical Data**

Properties	Values
Typical Shore A hardness.....	20
Application temperature.....	+5°C to + 50°C
Service temperature.....	-50°C to +150°C
Skinning time @ 20°C/65%RH.....	10 minutes
Cure rate @ 20°C/65%RH	2mm/24 hours
Chemical resistance.....	Resistant to most alkalis and dilute acids; organic solvents may cause the sealant to swell and lose adhesion, but do not directly dissolve the sealant.
UV resistance.....	Very Good
Service life.....	25 years +
Movement accommodation.....	Butt joints (<i>movement in tension and compression</i>): 25% (<i>Not to exceed ± 20% in any one direction</i>) Lap joints (<i>movement in shear</i>): 50% (<i>Not to exceed ± 40% in any one direction</i>)
Colours.....	White, Black, Translucent, Brown, Aluminium.

Accessories:**Primers**

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

Equipment

Polyethylene nozzles
Arbo Caulking Guns

Quantity Estimator

<i>Joint size</i>	<i>Metres per litre</i>
6 x 6	27.75
9 x 6	18.50
12 x 9	9.25
18 x 10	5.55
25 x 10	4.0

Packaging: 25 x 310ml 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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