

Product Datasheet

Alumasc Roofing Sealant

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 Issued: July 2023
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Description

Alumasc Roofing Sealant is a one part, solvent-free adhesive based on the latest polymer technology. It has excellent UV resistance and primerless adhesion to most substrates. It cures to a tough, elastic adhesive sealant with applications across a range of industries. The cured sealant has good abrasion, oil and solvent resistance.

Use

Construction uses include perimeter sealing of plastic, timber and metal frames along with the sealing of expansion and construction joints; it may be used on moist surfaces. Alumasc Roofing Sealant is also suitable for sealing and bonding connection joints in ducting, ventilation and air conditioning installation.

Application

Surfaces to which sealant is to adhere must be clean and free from loose material, standing water or contaminants, which otherwise may impair the bond. Non-porous surfaces such as aluminium should be cleaned with a suitable product.

It may be necessary to prime some porous surfaces depending on cohesiveness and porosity of the substrate.

For application where some movement will be exhibited i.e. construction joints, the minimum joint dimensions should be 6mm x 6mm with the maximum dimensions being 20mm wide by 12mm deep.

If conditions are suitable for application, ensure joints are properly prepared and apply sealant firmly into the joint using an application gun. Ensure a good solid fill is achieved. Once applied, sealant can be tooled within 10 minutes to required finish.

The cured sealant can be painted if required but is not necessary. Painting sealant in a movement joint is not recommended as the movement of the sealant may be greater than the flexibility of the paint, leading to cracking or crazing of the paint film.

Technical Specification

Chemical Base	Hybrid Polymer
Solids Content	100%
Curing System	Cures by vulcanisation upon exposure to atmospheric moisture
Specific Gravity	1.45 - 1.50
Chemical Resistance	Resistant to water, dilute acids, alkalis and aliphatic oils
Application Temp.	+5 - +35°C
Service Temp.	-40 - +100°C
Skinning Time	15 - 20 minutes @ 23°C / 50% relative humidity
Cure Rate	3mm per 24 hours @ 23°C / 50% relative humidity
Coverage Rate per 290ml	10m with 6mm bead
Colour	Black
Shore A Hardness	45 - 55 (DIN 53505)
Flow	<2mm (ISO 7390)
Tensile Strength [100% extension]	0.6Mpa
Movement Accommodation	± 20%
Shelf Life	12 months when stored in unopened cartridges in cool, dry conditions (5 - 25°C)

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Health & Safety

Safety Data Sheets are available upon request and can also be downloaded directly from www.alumascroofing.com.

Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: technical@alumascroofing.com

The company pursues a policy of constant product development and information contained in this publication is therefore subject to change without notice. The customer is responsible for ensuring that each product is fit for its intended purpose and that the conditions for use are suitable. All quoted data is nominal and subject to production tolerances.

