

Description

Alumasc Roofing Sealant is a one-part, solvent-free compound. The product exhibits resistance to UV exposure and cures to form a flexible, elastic seal. The cured sealant has good abrasion, oil and solvent resistance.

Use

Typical applications include sealing perimeter joints around plastic, timber and metal frames, together with expansion and construction joints. The product is also suitable for sealing and bonding connection joints in ductwork, ventilation and air-conditioning systems. It may be applied to damp surfaces where appropriate.

Application

Surfaces 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.

Product Data

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)

Health & Safety

Copies of Alumasc Safety Data Sheets can be downloaded from the Alumasc Roofing [website](#).