

Technical Data Sheet

AS-4028 Instant Grab Adhesive



Physical Properties

Appearance:
Soft paste

Colour:
White

Tack-free / Skin-form time:
2 – 5 minutes
(at 25 °C & 50% R.H.)

Application temperature:
5 °C to 40 °C

Service temperature:
-20 °C to 90 °C

Storage:
Store in a dry and cool place
with temperature below 30 °C.

Shelf life:
9 months

Packaging:

Content	Quantity/ carton
290 mL cartridges	20

Description

ALSEAL Instant Grab Adhesive is an instant grab adhesive based on advanced MS Polymer technology. The instant-grab capability eliminates the need for mechanical support: bracing, nailing, screwing, or other fastening devices. It is solvent, silicone, and isocyanate free and non-staining for porous substrate applications. It is excellent in UV, weather and temperature resistance. Adhesion is great over a wide variety of substrates and is paintable with common industrial paints.

Features

- ◆ Instant grab / No support required
- ◆ High strength bonding
- ◆ Primerless bonding to most substrates

Applications

Ideal for direct bonding of various heavy construction materials. It features instant grab, thus no support for the bonded construction materials will be required. It bond bathroom accessories, panel, skirting board, windowsills, stripes, thresholds, mirrors and isolating materials. It is also widely used in coach work and metal connecting joint in shipbuilding industry.

Technical Data

Curing system	: Moisture curing
Density	: 1.69 g/mL
Maximum tensile at break (ASTM D412)	: 2.5 N/mm ²
Elongation (ASTM D412)	: 95 %
Lap shear strength (ASTM D1002)	: 1.9 N/mm ²
Adhesion strength	: 0.18 MPa or 1.8 kg/cm ² (After 10 minutes) : 1.71 MPa or 17.5 kg/cm ² (After 24 hours)
Shore A hardness (ASTM C661)	: 67
VOC content (USEPA Test Method 24)	: 55.26 g/L

Approvals/ Specifications

AS-4028 meets the requirements of the following specifications:

- ◆ Low VOC - USEPA Method 24 under SCAQMD Rule 1168

Usage Instructions

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
3. Cut the tip off and puncture the internal foil seal with the nozzle. Cut the nozzle at 45° angle to desired bead-width and apply the adhesive to substrate with a cartridge gun.
4. Due to the viscous property of the adhesive, we recommend the use of professional caulking gun with reinforced transmission.
5. Bond substrates before the adhesive skins.
6. Uncured adhesive can be cleaned up with mineral spirits.

Clean Up

- ◆ Wet sealants can be cleaned up with acetone or mineral spirits.
- ◆ Cured sealants can only be removed mechanically.



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Limitation

Not recommended for the following applications:

- ◆ Below waterline or permanent water immersion.
- ◆ Polyethylene, polypropylene, polytetrafluoroethylene (Teflon), neoprene, and bituminous surfaces.
- ◆ Not paintable with alkyd resin paint.

Caution

Keep out of reach of children. Contains aminosilane. May produce an allergic reaction. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

Disclaimer

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.