XCEL™ IGA

Instant Grab Adhesive Data Sheet

Product Description

XCEL IGA is a high strength, high viscosity, one-component elastic adhesive for indoor and outdoor applications based on MS Polymer. Specially designed for fast and non-rigid structural bonding in construction, metal industry, auto, marine, etc., with excellent adhesion to most substrates. Completely weather resistant, odourless and does not contain solvents, silicones or isocyanate's. Meets or exceeds the following ASTM specifications: ASTM D412, ASTM D1002, ASTM C661, and ASTM C734.

Fields of Application

Multi-purpose sealing and bonding in the building, automotive and manufacturing sectors.

- Bonds & Seals to most surfaces
- Kitchen & bathroom fixtures
- Countertops & backsplashes
- Windows & Doors
- Wood, moulding/trim, & siding
- Thresholds, Sills, Siding & Vents
- Ductwork & HVAC
- Aluminum, Brass, Steel...
- Polystyrene, SM Insulation Board
- Stone, Brick, Fiber Cement & Tile
- Concrete, Glass, Wood, Porcelain & Mirrors
- Cultured Marble, Granite...

Main Benefits

- High Performance Instant Grab
- Interior / exterior
- Environmentally friendly
- Tensile Strength – 575 psi
- Permanently waterproof, flexible, crack proof, mold resistant, & odourless
- Paintable in 1 hour; Cures in 24 hours
- Non–sag, vibration and impact resistant

ASTM INTERNATIONAL Standards Worldwide

ISO 9001 BUREAU VERITAS Certification

MADE IN USA

Directions for Use:

For optimal results the substrates must be clean, dry, and free of old residues, polish, liquid sealants, wax, dust, grease and other contaminants which may affect the adhesion. Painted surfaces must be well cured and free of loose paint. The product is suitable for many types of construction materials, however, a preliminary adhesion test is recommended on every surface. After substrate preparation, apply with a manual- or pneumatic caulking gun. Uncured product may be easily removed with any solvent. Cured sealant must be removed mechanically. If worried about UV exposure, see limitations below. Optimum bonding will be obtained after complete curing, i.e. after 24 to 48 hours at +23°C for a thickness between 2 to 3 mm.

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Technical Information:

Raw material basis: MS Polymer

Consistency: Non-slump, non-sagging paste

Specific gravity: approx. 1.30 g/ml +/- 0.02

Working time: 10 – 20 minutes (at 23ºC; 50% R.H.)

Curing rate: 2-3 mm/24 hr

Consumption: approx. 25 linear ft/9.8 oz (8 meters/290ml) (nozzle diameter: 8 mm/0.25")

Application temperature: Between 5 ºC to 40 ºC (41 ºF to 104 ºF)

Properties of cured product:

Service temperature: -40 ºC to +100 ºC (-40 ºF to 212 ºF)

Shore A hardness (ASTM C661): 57 +/- 5

UV Ratings: After 2000 hours UV-A no change in appearance or physical properties

Max. tensile (ASTM D412): 575 psi / 40 kg / cm2

LAP Shear (ASTM D1002): >300 psi

Elongation at break (ASTM D412): > 110 %

Movement capability: +/- 25%

Corrosive and staining properties: Non-corrosive and Non-staining

Shrinkage: Zero

Low Temperature Flexibility (ASTM C734): Pass

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Product Limitations

It is important not to tool the sealant too thin or smear it on both sides of the joint. If the material is smeared on both sides, it can cause premature joint failure and color fading. Do not tool or smear/feather on prefinished colored claddings (i.e. siding, trim, etc.) as this will reduce any sealants ability to withstand UV exposure and joint movement, causing premature joint failure and color fading.

Color and Packaging Information

This product is packaging in 290 ml / 9.8 oz cartridges and 600 ml / 20 oz sausages.

Colors: White, other colors available on request and subject to minimum order quantities

Storage and Safety

The shelf life is 18 months in the original unopened original packaging, in dry conditions and protected from direct sunlight at temperatures between +5ºC and +25ºC.
Avoid skin and eye contact. For further safety information see the corresponding Safety Data Sheet.

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