

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.

Fields of application

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

- ✓ Bonds & Seals to most surfaces
- ✓ Kitchen & bathroom fixtures
- ✓ Counter-tops & back-splashes
- ✓ Windows & doors
- ✓ Wood & moulding/trim
- ✓ Thresholds, Sills, Siding & Vents
- ✓ Ductwork & HVAC
- ✓ Aluminium, Brass, Steel...
- ✓ Polystyrene, SM Insulation Board
- ✓ Stone, Brick, Fibre Cement & Tile
- ✓ Concrete, Glass, Wood & Porcelain
- ✓ Cultured Marble, Granite...

Main Benefits

- ✓ Seals & bonds wet or dry
- ✓ Interior / exterior - paint-able
- ✓ Environmentally friendly No VOC's
- ✓ Tensile strength 475 Psi
- ✓ Permanently waterproof, flexible, crack proof, mould resistant
- ✓ Non - sag
- ✓ Eliminate nails, screws or clamps
- ✓ Vibration and impact-resistant
- ✓ Cures in 24 hrs under normal conditions



Directions for use

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. Un-cured product may be easily removed with Xcel SDC. Cured sealant must be removed mechanically. 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.

Technical Information:

Raw material basis: MS Polymer

Consistency: Non-slump paste

Specific gravity: approx. 1.37-1.41

Skin forming time: Less than 30 minutes (at 23°C; 50% R.H.)

Curing rate: 2-3 mm/24 hr

Consumption: approx. 50 ml/ linear meter (nozzle diameter: 8mm)

Application temperature range: 5°C to 40 °C

Service temperature range: -40°C to +90°C

100% Modulus (ASTM D412 *Rate = 2"/minute) : 118Psi

Properties of the cured product: (After one week at 23°C and 50% R.H.)

Shore A hardness: 50

Max. tensile strength (ASTM D412 *Rate = 2"/minute): 34kg / cm² / 475 Psi

Elongation at break: > 500 %

Peel Strength (ASTM C794) 110 Pli

Movement Capability: 25%

UV Resistance (ASTM G26): After 2000 hours UV-A no change in appearance or physical properties

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be extended at lower temperature, lower humidity or increasing film thickness.

Colours and packaging information:

This product is available in 290 ml cartridges.

Colour: Grey White

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 +5°C and +25°C.