

Data Sheet Xcel MBS

Product Description

XCEL MBS is a 1-component, permanently elastic, sealant / adhesive, based on MS Polymer, for indoor and outdoor applications. XCEL MBS is engineered for a wide range of sealing and bonding applications. Completely weather resistant, odourless and does not contain solvents, silicones or isocyanates.

Fields of application

Multipurpose sealing and bonding in the marine, building, automotive and manufacturing sectors.

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

Main Benefits

- ✓ Seals & bonds wet or dry
- ✓ Interior / exterior - paintable
- ✓ Environmentally friendly No VOC's
- ✓ Tensile strength 4.03 MPa / 585 Psi
- ✓ Permanently waterproof, flexible, crack proof, mold resistant
- ✓ Cures in 24 hrs under normal conditions



CERTIFICAZIONE
DI PRODOTTO
BUREAU VERITAS
Certification



i ISEGA

HACCP™

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. Uncured 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.

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Technical Information:

Raw material basis: MS Polymer

Consistency: Non-slump paste

Specific gravity: approx. 1.72 g/ml

Skin forming time: 15 – 20 minutes (at 23°C; 50% R.H.)

Curing rate: 2-3 mm/24 hr

Resistance to flow (ISO 7390): approx. 0 mm

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

Application temperature: Between 5°C to 40 °C

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

Service temperature: -40°C to +90°C

Shore A hardness (ISO 868): 58

Modulus - elongation at 100% - (ISO 37): 2,45 Mpa.

Max. tensile (ISO 37): 4,03 MPa. / 585 Psi

Elongation at break (ISO 37):> 250 %

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: White.

Storage and safety:

The shelf life is 18 months in the original unopened original packaging, in dry conditions and protected