

MSP-Crystal®

Crystal clear construction sealant based on MS-Polymer

Factsheet: MSP-Crystal G3EJEN

MS-Polymer-based, crystal-clear adhesive and sealant for structural bonding and sealing of transparent components for inside and outside use.



Applications

- For crystal clear bonding and sealing of transparent materials such as glass, polycarbonate (PC), acrylic glass (PMMA) and thermoplastics such as Plexiglas, Perspex and Lexan (pretesting)
- For ceramics, concrete, stone, wood, etc.
- For industrial bonding in device construction, plastics and electrical engineering

Characteristics

- For strong, structural connections
- Excellent bonding and adhesion
- Adhesion on even wet surfaces
- Good processing
- Short-term load up to 130°C
- Doesn't give corrosion on metal
- Paintable (please pre-test first)
- Without isocyanates, silicones and solvent

Specifications

- CE-Marking, EN15651-1: F-Ext-Int: Class 20LM
- CE-Marking, EN15651-2: G: Class 20LM

Processing advice

MSP-Crystal sealant gives direct adhesion to metals, glass, various plastics and treated wood. Substrates must be clean, grease-free, load-bearing and compatible. Clean substrates first with Bloem Sealants' Cleaner and a clean cloth. Allow the cleaner to evaporate after degreasing. Do not touch cleaned substrates any more. Pretreat stony substrates with primer P83. Perform adhesion tests on unknown substrates, seek advice and/or consult our primer list.

Paintability

MSP-Crystal® can be painted over with water-based paint systems. Alkyd resin paints can show delayed drying; therefore pre-testing is recommended.

Technical data at 23°C and 60% RV

Processing temperature:	+5°C to 40°C
Resistance to temperature:	-40°C tot +90°C
Tooling time:	15-20 min.
Curing / 24 hrs.:	3,5 mm
Hardness (DIN53505):	30+/-5°C Shore-A
Density:	1,05 gr/ml
Modulus 100% (ISO 8339):	0,8 N/mm ²
Tensile strength, (ISO37):	2,2 N/mm ²
Elongation at break ISO37/ DIN 53504):	230%
Volume loss (ISO10563):	≤ 2%
Movement capability:	20%
Volatile content:	0,00% VOC (EG)

Chemical resistance

- **Good** against water, seawater, aliphatic solvents, oils, fats, diluted inorganic acids and alkalis.
- **Moderate** to ester, ketone and aromatics.
- **Not resistant** to concentrated acids and chlorinated hydrocarbons

Colour

Crystal clear as standard.

Packaging

Cartidges à 290 ml. Sausages à 600 ml.

Product handling

Extrude with a hand or battery caulking gun. Finish joints with a joint nail or moistened rubber spatula with a solution of BS-Finisher. Tools and fresh stains can be cleaned with BS-Cleaner. Vulcanized sealant can only be removed mechanically. Hands can be cleaned best with Bloem Power-scrub wipes.

Storage and use

Store dry and cool between +5°C and +25°C, in its original sealed packing. Use best before 12 month after production.

Safety Precautions

Avoid long lasting contact with skin. In case of contact with the eyes, rinse with plenty of water and consult a doctor. Avoid any contact with food as long as the sealant is not fully cured. Keep away from children. The product is not hazardous when applied properly and correctly. Material Safety Data Sheets (MSDS) can be obtained upon request

Transportation classification

No special measures required

