

MSP-Oneseal

Durable elastic sealer for glazing and connection joints

Factsheet: MSP-Oneseal 2209EN

MSP-Oneseal is a polymer based, elastic sealant for glazing and connection joints. MSP-Oneseal is paintable with solvents and water based paints. It meets ISO11600G and KOMO acc. to BRL2801 certificates 33023 and 33024.



Applications

- Topseal and heel beads for glazing in general, double glazing and laminated safety glass (VSG)
- For connection joints where painting afterwards is required

Specifications

- ISO11600 20HM as a Classified Glazing Sealant
- CE Marking, EN15651-1-2012: F Ext-Int. CC
- CE Marking, EN15651-2-2012: G CC
- NPR3577, Dutch Glazing Directive
- EN5096, SHR Report on Burglary Resilience
- KOMO Certificate 33023/33024 acc. BRL2801/2803
- Indoor Air Comfort GOLD, Emicode EC1-Plus, Belgian and French VOC Regulation, BREEAM, Blue Angel, LEED v4 EMICODE EC1-Plus

Characteristics

- Does not contain isocyanates, solvents or silicones
- Excellent paintability with most common paints
- Long lasting elasticity
- Good processing
- Large bonding spectrum
- Strong adhesion
- No strong odour
- Anti-corrosive

Paintability

Water-based paints and solvent-based paints normally show excellent adhesion and drying on MSP-Oneseal. In case of unknown combinations of paint and sealant, we recommend testing for compatibility beforehand. In general, sealants are more elastic than paints, so dried paint can show hairline cracks as a result of joint movements.

Joint dimensions

Please consult national glazing guidelines and/or Dutch Glazing directions NPR3577. We recommend a minimum sealant bead size of 4x6 mm up to 5x5 mm. For connection joints we recommend a minimum joint size of 10x10 mm applied on a polyurethane or polyethylene backing foam rod.

Processing advice

MSP-Oneseal adheres to clean glass, varnished wood, metals and many plastics. Check whether the rebates and glass (all substrates) are finished in accordance with prescriptions and are free from moisture, dirt and dust. Wipe all substrates with BS Cleaner Glass & Metal or BS Cleaner Plastics with a clean cloth. Afterwards, do not touch the cleaned substrates. Rainy and foggy conditions are not suitable for sealing with elastic sealants. For unknown substrates please consult our primer list or perform adhesion tests first.

Technical data at 23°C and 60%RV

Handling temperature:	+5 °C to +40 °C
Resistance to temperature:	-40 °C to +90 °C
Tooling time:	30 to 50 min
Curing /24 h:	2 mm
Curing /48 h:	3 mm
Movement capability:	25%
Hardness (DIN 53505):	±30° Shore-A
Density g/cm ³ :	±1,40 ±0.05 g/cm ³
E-Modulus 100%, DIN53504S2*:	0,75 N/mm ²
Tensile strength, DIN53504S2*:	1,0 N/mm ²
Elongation at break, DIN53504S2*:	± 200%
Consistency (DIN EN 27390):	non sagg
Volume change, ISO10563:	< 3%
Organic solvent:	0.00 (VOC/EEC)

* This data are based on measurements after 7 days, 23°C and 50%RH

Available standard colors (RAL approach)

- White, RAL9010
- Grey, RAL7004
- Brown, RAL8007
- Cream white, RAL9001
- Anthracite grey, RAL7016
- Black, RAL9011

Chemical resistance

- Strong against water, salt water, aliphatic solvents, oils, grease, diluted inorganic acids and alkalis.
- Moderate against esters, ketone and aromatics.
- Not resistant against concentrated acids and chlorinated hydrocarbons.

Handling

Extrude with a standard caulking gun or air-gun. Finish joints with a solution of BS Joint finisher in water using a sharp putty knife or rubber spatula. Fresh stains and tools are to be cleaned with Bloem MultiCleaner or PowerScrubs fibre-reinforced cleaning wipes. Cured sealant can only be removed mechanically. Hands can be cleaned best with Bloem Power-scrub wipes.

Packing

Cartridges of 290 ml. Aluminium foils of 600 ml.

Storage and use

Store in a cool, dry space between +5°C and +25°C, in its original sealed packaging. For best results, use before 12 months 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 are required.

