

MSP-20 Sealant

Low modulus MS-Polymer based sealant

Factsheet: MSP-20 2209EN

MSP-20 Sealant vulcanizes by atmospheric humidity to a long lasting, low modulus, elastic rubber. It gives excellent adhesion on smooth and porous substrates and has a very low VOC emission for which it meets EMICODE EC1-Plus.



Applications

Suitable for joints in building construction between façade elements on concrete, masonry and plaster. For connecting joints on wood, metal and several plastics.

Specifications

- ISO11600F-25LM: Classification construction sealant
- EN15651-1: 2012, F-Ext-Int-CC: CE Marking
- KOMO Certificate 3302 acc. BRL2803
- Indoor Air Comfort GOLD, Emission EC1-Plus, Belgian and French VOC Regulation, BREEAM, Blue Angel, LEED v4 EMICODE EC1-Plus.

Characteristics

- Durable elastic with high mechanical strength
- Broad adhesion range
- Long open time
- Compatible with paints
- Weathering, UV and salt water resistant
- Vibration absorbing
- Non-corrosive on surfaces
- Free of solvents, isocyanates and silicones

Substrates

MSP-20 Sealant gives adhesion to substrates such as powder coated, varnished, galvanized, anodized and chromed metals. For many plastics (except PE, PP), wood and various types of stone and stone-like substrates. The compatibility with natural stone should be checked first. Due to the large variety of different plastics and composites, preliminary tests are recommended. Please consult our primer list in any case of doubt.

Joint dimensions

Use PE- or PU foam backing rods to create the required joint depth. In case of insufficient joint depth use PE film as a bond breaker. For joint widths larger than 12 mm, joint depth should be 1/3 of the width + 6mm. Joint widths less than 12mm, use 6mm joint depth. Connection and expansion joints should fulfill national regulations.

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):	24° Shore-A
Density g/cm ³ :	±1,5 g/m
Consistency (DIN EN 27390):	non sag
Volatile content:	0.00 (VOC/EEC)

Paintability

MSP-20 Sealant can be painted with water based paints. Solvent based paints might delay the drying process. For unknown combinations of paint and sealant we recommend pretesting. In general, sealants are more elastic than paint systems. Therefore dried paint could crack as a result of joint movements.

Chemical resistance

- Good 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.

Colours

- White
- Dust-grey
- Anthracite-grey
- Ivory
- Concrete-grey
- Black.

Other colors (off white, beige, rosa-beige, light-grey, pebble-grey) on request.

Packaging

Foil packages of 600ml; boxes of 12 pieces. Other packaging forms available on request.

Processing

Apply with hand-, air- or battery gun. Tool the joint with soapy water and jointing tool. Surfaces should be clean, free of grease and dust. Remove loose parts. Application temperatures shouldn't be below 5°C. Rainy or misty weather conditions are unsuitable for sealant application. Remove stains with turpentine.

Shelf life

MSP-20[®] Sealant has a shelf life of at least 12 months if stored in unopened containers in cool (between +5°C and +25°C) and dry conditions.

Safety precautions

Keep uncured sealant out of reach of children. Avoid prolonged contact with uncured sealant. In case of contact with eyes, rinse with plenty of water and consult a doctor. For comprehensive safety instructions, see corresponding Material Safety Data Sheets (available on request).

Transport classification-

No specific requirements.

