MAX MATERIALS

TECHNICAL DATA SHEET

Max Material's - MP

Product Description

Max Material's 'MP' is a high quality joint sealant that cures to form a low modulus, water resistant bond. MP is an interior/exterior sealant that remains flexible and has excellent adhesion to a wide range of materials. This product skins in 10 minutes with a curing rate of ¼" /48 hrs.

Features

- Very good adhesion on many materials
- Acetoxy cure
- Low modulus
- Permanent Color
- Remains elastic after curing
- UV-resistant
- Very easy application
- Mildew Resistant

Applications

- Building and construction joints
- Sealing in sanitary applications
- Sealing of air conditioning ducts
- Aluminum frame glazing
- Not for use as a structural glazing adhesive

Compatible Surfaces

- Metal, glass, glazed surfaces
- Porous substrates must be primed
- *Contact with plasticizer containing materials (e.g. flexible PVC, butyl rubber, EPDM, …) can lead to incompatibilities, such as discoloration or loss of adhesion. Perform preliminary compatibility test.*

Color & Packaging (10.1 fl oz)

Color	Clear	White
Part No.	MSSA21010	MSSA21011
Color	Black	Aluminum
Part No.	MSSA21012	MSSA21014
Color	Almond	Translucent
Part No.	MSSA21015	MSSA21017

Application Notes

- Ensure surface is clean, dry, free of dust and grease
- Porous surfaces must be primed
- Always perform preliminary compatibility test

Recommended Joint Dimensions

- *Minimum Width: 1/4" (*6.35 mm)
- *Maximum Width:* 1-3/16" (30 mm)
- *Minimum Depth:* 1/5" (5 mm)
- *Recommendation*: width = 2 × depth

Health and Safety Recommendations

- Keep out of reach of children
- Apply standard industrial hygiene.
- In case of emergency, contact ChemTel at 1-800-255-3924.

Please consult product label and SDS for additional safety Information.

TECHNICAL DATA SHEET

MAX MATERIAL'S - MP

Physical Properties	
Base	Polysiloxane
Consistency	Stable Paste
Curing System	Acetoxy Base / Moisture Cure
Application Temperature	40°F to 90°F (5°C to 33°C)
Skin Formation (75°F/50% R.H.)	10 minutes
Curing Rate (75°F/50% R.H.)	¼" Diam. Bead/48 hrs
Tack Free	34 Minutes - ASTM C679
Hardness – Shore A	20 ± 5 - ASTM C661
Sag (120°F)	None in vertical displacement - ASTM C639
Stain and Color Change	Passes – ASTM C510 (Mortar)
Theoretical Yield	55 LF @ 3/16" bead
Temperature Resistance	-40°F to 350°F (-40°C to 176°C) continuous
Elongation at Break	> 800% - ASTM D412
Artificial Weathering	No Cracking - _ ASTM C793
Tensile Yield	230 psi – ASTM D412
Movement Capability	±25% - ASTM C719
Volatile Organic Content	30 g/l – 3% - Directive 2004/42/EG

Shipping Information

Size	Units/ Case	Case Weight	Dimensions (L" × W" × H")		Cases/Pallet	Pallet Weight
			Case	Pallet		
2.8 fl. oz	12	6 lbs	6 × 4.5 × 8	48 x 40 x 38	144	1620 lbs

Remarks

- Due to the acetic character of MP Silicone Sealant, some metals such as copper and lead may stain when in contact with this product.
- Contact between this sealant and the primary sealant of double glazed insulation windows or the PVB film of security glass should be avoided.
- Do not use on bituminous surfaces or substrates that will bleed oil, solvents or plasticizers.
- Do not use on natural stones (e.g. granite, marble) due to staining
- Not recommended for use on polycarbonate (PC) or PMMA because it can cause stress cracking

Warranty and Shelf Life:

Max Materials Warrants that product shall meet its specifications and be free of defects in workmanship. MM warrants its sealant product will maintain its performance after curing for 50 years when used as directed. If the customer is not satisfied with the product performance when used as directed, return the used cartridge and sales receipt to MM's Technical Department at 1204 Erie Ct. Crown Point, IN 46307 for product replacement or sales price refund. MM will not be liable for incidental or consequential damages. Please see www.maxmaterials.com for full warranty information. Unopened product has a 12 month shelf life when stored in a cool, dry place with temperatures between 41°F and 77°F (5ºC and 25°C).