

Hercules Industries Multi-Purpose Silicone



■ Product Description:

Hercules Multi-Purpose Silicone Sealant is a high quality joint sealant that cures to form a low modulus, water resistant bond. 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. MPA-20 meets ASTM C920, Type S, Grade NS, Class 25, Use NT, A, G and O, as well as Federal Specification TT-S-00230C, Type II, Class A.

■ Colors and Packaging:

Size	10.1 fl.oz.	10.1 fl.oz.	10.1 fl.oz.
Color	Clear	White	Aluminum
Part No.	HERC-22-12-000	HERC-22-12-001	HERC-22-12-004

■ 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

■ Compatibility:

- 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.*

■ Application Notes:

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

■ Joint Dimension:

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

■ Warranty and Shelf Life:

Hercules warrants that product shall meet its specifications and be free of defects in workmanship. Hercules 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 **Hercules at 1310 West Evans Ave, Denver, CO 80223** for product replacement or sales price refund. Hercules will not be liable for incidental or consequential damages. Unopened product has a 12 month shelf life when stored in a cool, dry place with temperatures between 41°F and 77°F (5°C and 25°C).

Health and Safety Recommendations:

- Apply standard industrial hygiene
 - In case of emergency, contact INFOTRAC at 1.800.535.5053
- Please consult product label and MSDS for additional safety information.*

Remarks:

Due to the acetic character of Hercules Multi-Purpose 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
Clean with white mineral spirits immediately after use (before cure).

Physical Properties

Base	Polysiloxane
Consistency	Stable Paste
Curing System	Acetoxy Base / Moisture Cure
Application Temperature	40°F to 90°F (5°C to 35°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 300°F (-40°C to 148°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 (VOC)	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		
10.1 fl.oz.	12	10 lbs	8 × 6.5 × 9.5	45 × 30 × 57	144	1440 lbs