

PURfect Silicone - 712

Professional Grade 100 % Silicone

Product Description

PURfect Silicone - 712 is a single component, moisture curing 100% silicone adhesive/sealant that provides excellent elasticity and weather durability, and is designed for bonding and sealing. Able to bond to a wide variety of building materials such as vinyl, glass, steel, aluminum, tile, painted surfaces, cultured marble, several plastics and many composite materials. Mildew resistant when fully cured. Conforms to Federal Specifications TT-S-0230C and TT-S-01543A. Conforms to ASTM 920. Also conforms to AAMA 802.3-92, Types I and II. Clear, white and black, when properly cured, meet the requirements of FDA regulation 21CFR 177.2600. USDA Accepted.

Technical Data

Color	White, aluminum grey, clear, black and bronze
Skin Time	30 minutes @ 78°F/50%RH
Tensile Strength	250 psi
Hardness, Shore A (ASTM D2240)	25
Sag	Nil
Movement Capability	+/- 25%
Elongation	400%
Service Temperature	-75°F to 350°F
UV Resistance	Impervious
VOC Content	~3%

*Typical values. Not for use in development of specifications

Features

- Durable and weather resistant
- Exceptional UV stability
- Permanently elastic
- +/- 25% movement capacity
- Thermally stable from -60°F (-51°C) to 350°F (177°C)
- Low VOC-significantly lower than the US Green Building Council's Leadership in Energy and Environmental Design (LEED) program's requirements.
- Excellent gunnability and workability
- Non-sag
- Broad application temperature range
- Meets ASTM C920

Recommendations for Use

Surface Preparation:

For reliable, repeatable and durable results, adhesives and sealants must be applied to clean, dry, sound, and frost-free surfaces. For high strength bonds, surface contaminants such as paints, oils, oxide films, mold release agents, dirt, and the like, must be completely removed. Remove old sealants or adhesives.

Application:

- Better application temperatures: 40°F - 120°F
- For best performance, sealants and adhesives should be applied to a joint at the midpoint of its designed expansion-contraction cycle
- Place nozzle into joint and fill joint entirely. Keep the nozzle in the sealant and maintain a consistent, continuous flow of sealant to minimize air entrapment.
- Tool sealant to minimize air entrapment and to assure contact with both sides of the joint.

Clean-up:

Excess adhesive should be dry-wiped from all surfaces and tools while still uncured. Isopropyl Alcohol (IPA) on a solvent-dampened clean rag provides good results on most substrates. Cured adhesive is difficult to remove without damaging the surface it was applied to and generally must be mechanically removed.

Limitations:

- This sealant is not paintable. If your application requires a paintable sealant, please contact your representative at InnoStar Solutions, Inc.
- Do not apply on frost-covered surfaces.
- Not recommended for use underwater or when in continuous contact with water.
- Not recommended on mirrors, masonry/concrete, stone, lead, copper or brass.
- The user should always perform relevant testing, as InnoStar Solutions does not recommend PURfect Silicone - 712 as fit for a particular use.
- Some material may require a primer
- Tooling agents such as water, soap, or detergent solutions are not recommended.
- Shelf life of 12 months when stored at temperatures below 80°F.

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Food Grade

Precautionary Information

Use with adequate ventilation. Inhalation of vapor during application and cure may cause eye or throat irritation. In case of contact with eyes, lips, or mouth, flush thoroughly with water. If irritation persists, consult a physician. Avoid repeated, prolonged contact with skin. See SDS for additional information. **KEEP OUT OF REACH OF CHILDREN.**

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Contact Information

For product prices, availability, order placement, or for additional information, contact our customer service at info@innostarsolutions.com or call (877) 250 – 1978.