TECHNICAL DATA SHEET

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STAERK MS

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MS is a tough, durable elastomeric joint sealant suitable for external and internal building applications. This product is based on modified silicone polymer technology and have unique properties perfect for building industry. Staerk MS has excellent adhesion to most building substrates and does not stain or damage concrete, marble, and other masonry surfaces. This multi-purpose, heavy duty, MS-sealant and adhesive is great tool for construction and building.

Characteristics:

1. Primerless adhesion to most building materials.
2. High temperature resistance (-30°C/+130°C).
3. It has excellent durability. Waterproof seals will remain unchanged even after many years exposure to weather, UV, and industrial pollution.
4. It comes with simple operation, fast curing, and excellent resistance to
5. It is designed with many optional colors, such as white, grey, black, and many other colors.
6. Paintable any time after curing.
7. Will not stain or damage substrates.

Limitations

1. This product is unavailable to bond with frosty or moist surface.
2. If the surface temperature of the materials is below 4°C or above 40°C, it does not work.
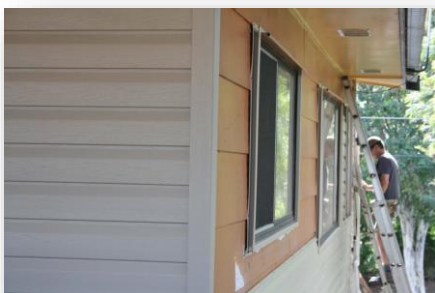3. Can not be used with polyethylene, polypropylene, polybutylene, polycarbonate, and bitumen.

RECOMMENDED USES

EXTERIOR

- Sealing expansion joints.
- Sealing most building materials in general construction.
- Sealing around windows and doors frames.
- Sealing roof joints.

INTERIOR

- For adhering solvent sensitive substrates (such as mirrors and polystyrene).
- Elastically bonding or sealing different materials with each other.
- Bonding granite, marble, and tiles.
- For fixing wall panels, floors, and door frames to most common building substrates.

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PROPERTIES

ITEM	DATA
Type	Modified silicone polymer
Density (g/cm³)	1.2±0.02
Skinning time	10
Drying (2mm/h)	10-15
Curing rate (4mm/h)	25-28
Capacity Movement	±20%
Max. Tensile Strength	1.5
Elongation at break (%)	≥300
Hardness Shore A	35±2
Application Temperature	-20ºC to +40ºC
Temperature resistance	Up to 150ºC

HEALTH & SAFETY

- Read label before use.
- Gloves and google must be worn during application.
- If skin contact occurs, remove the sealant with cloth and wash skin thoroughly with water and detergent for minimum 15 mins.
- Avoid eye contact before curing. If this occurs, rinse opened eye for several minutes under running water, then consult a doctor.
- Ensure proper ventilation at workplace or curing area.
- Keep away from children.

APPLICATION

- The base material need to be free of dust and grease or loose material. If needed clean up with a turpentine wet rag or cloth and let it dry. Complete adhesion test before use and make sure good compatibility and viscosity of the sealant with base materials.
- Cut off the top of cartridge, position the threaded adaptor to the cartridge. Cut the threaded adaptor on an angle corresponding to the joint width. For a perfect join finish use our STAERKS GENERAL PURPOSE MASKING TAPE by applying tape the full length of the joint on both sides leaving the desired gap you require.
- Place the cartridge into gun and inject the joint with the sealant. Apply sufficient pressure to the sealant to ensure good penetration and adhesion to the joint sides. The applied sealant should be smoothed immediately with a wet spatula or jointer to clean off excess sealant. Remove the masking tape gently and if needed clean up the excess sealant one more time.
- Clean while uncured with a turpentine cloth. After hardening, remove the silicone sealant mechanically or with the silicone remover.
- Staerk MS is not suitable to be used as a structural glazing sealant or material such as copper, lead, zinc.
- Non-Toxicity when cured. If medical advice is needed, have product container and label at hand.

PACKAGING & STORAGE

- Staerk MS - Box of 24 x 310ml cartridge.
- Protect from freezing, store in a cool dry place at room temperature.
- Product must be used within 24 months of purchase.