

Mighty Seal Biocide

Silicon for Sanitary Application

Product Description

Mighty Seal Biocide is one-part, fungicidal, silicone rubber sealant designed to seal nonporous surfaces around ceramic tile, showers, tubs, sinks and plumbing fixtures where conditions of high humidity and temperature extremes exist.

Key Features

- Resists mildew even in prolonged hot and humid environments
- Resists staining, spotting and color change
- Remains flexible-will not shrink, crack, crumble or dry out
- Is ready-to-use as supplied
- Resists moisture, hot cooking oils and free steam
- Adheres to many nonporous surfaces such as porcelain, painted areas and glass without the use of primer



Applications

- Sealing around shower-tub enclosures, tubs, sinks and around urinals
- Sealing around bathroom fixtures
- Waterproofing rimless sinks
- Ceramic tile grouting

Limitations

- Not recommended for continuous water immersion, nor for floor joints where abrasion and physical abuse are encountered.
- It should not be applied to:
 - Porous surfaces such as masonry
 - Building materials that bleed oils or solvents, such as impregnated wood and certain partially vulcanized rubber gaskets, tapes or adhesives
 - Totally confined spaces, because sealant needs atmospheric moisture to cure

Application Procedure

Surface Preparation

Thoroughly clean and dry surface from oil, dirt and grease.

Method

1. Cut nozzle to desired size.
2. Insert cartridge into caulking gun.
3. Push sealant ahead for uniform bead. Tool with 5 minutes.
4. Clean off excess sealant with solvent.

Product Specifications / Typical Properties / Physical Characteristics

Table 1.

Physical Properties, Uncured State

Parameters	Results
Color	Clear, White
Sag(mm)	Nil
Tack Free Time	10-20 minutes
Specific Gravity	0.97
Extrusion Rate	370 g/min
Cure Thru Time	24 hours

Table 2. Physical Properties, Cured State

Parameters	Results
Hardness, Shore A	15-16
Tensile Strength	1.0 MPa
Elongation	380-552%
Modulus @ 100%, MPa	0.4

Note 1: The cure progresses inward from the surface. The sealant forms a tack skin free at a minimum of 10 minutes at room temperature. Tooling is not practical after this skin begins forming and should be completed in 5-9 minutes from application, even though this may require alternate periods of applying and tooling.

Application Equipment

Caulking gun

Packaging

300 mL cartridge

Storage

Store in a cool dry area and away from direct sunlight. Keep containers securely sealed. Store away from food and incompatible materials. The storage stability will at least 12 months from date of manufacture.

Shelf Life

12 months

Health and Safety Precautions

CAUTION: SEALANT RELEASES ACETIC ACID DURING CURE. USE WITH ADEQUATE VENTILATION. Direct contact of uncured sealant irritates eyes and may irritate skin. Over exposure to vapour may irritate eyes, nose and throat. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hands.

IN CASE OF EYE CONTACT: Flush eyes with water for 15 minutes. Then seek medical attention

IN CASE OF SKIN CONTACT: Remove from skin and flush with water

KEEP OUT OF REACH OF CHILDREN.

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