

# WHITE MILDEW RESISTANT SILICONE SEALANT PART NO. 49286

### TYPICAL PROPERTIES

#### Uncured

Color ..... White  
Flow, Sag or Slump ..... Nil  
Tack-Free Time @ 77°F (25°C) ..... 10-20 min.  
Cure Time @ 77°F (25°C) ..... 24 hrs.

#### Cured

Hardness, Shore A ..... 17  
Modulus @ 100%, Mpa ..... 0.4  
Movement Capability ..... ±25%  
Slump ..... Nil  
Elongation ..... 570%  
Staining ..... None  
Tensile ..... 300 psi



### DESCRIPTION

*Dynatex® White Mildew Resistant Silicone Sealant* is a 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.

*Dynatex® White Mildew Resistant Silicone Sealant* can be used for most repair and maintenance applications.

### 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
- Stays bright and clean
- Is ready-to-use as supplied
- Resists moisture, hot cooking oils and free steam
- Adheres to many non-porous surfaces such as porcelain, painted areas, and glass without the use of a primer

### TYPICAL APPLICATIONS

- Bonding gaskets in heating and refrigeration units
- Waterproofing rimless sinks
- Ceramic tile grouting
- Sealing around shower tub enclosures, tubs, sinks and around urinals
- Sealing spa jets and skimmers
- For caulking, sealing, waterproofing and bonding

## HOW TO USE

*Dynatex® White Mildew Resistant Silicone Sealant* is supplied in ready-to-use form. It flows readily from its container under pressure. A spatula or wooden paddle can be used to tool the surface.

Cure progresses inward from the surface. At conditions of 75°F (24°C) and 50-percent relative humidity, a tack-free skin forms within 20 minutes. Tooling should be completed within 5 to 10 minutes of application. Alternate periods of application and tooling may be required. If masking tape is used to mask an area it must be removed before the tack-free skin forms.

## CURE TIME

Cure time is affected by relative humidity, degree of confinement and cross-sectional thickness of the sealant. Sections up to 1/8-inch thick become rubbery solids in about 24 hours at room temperature at 20-percent relative humidity. Less moisture content reduces cure time slightly. In 24 hours, sections up to 1/8-inch thick cure to a rubber with a Shore A Durometer hardness of about 20 points. After 3 days at room temperature, this Durometer Hardness levels off to about 25 points.

In applications where *Dynatex® White Mildew Resistant Silicone Sealant* may be partially or totally confined during cure, the time required for proper cure is generally lengthened by the degree of confinement. It is possible that with absolute confinement cure will not be completed. The result is the softening of the sealant at elevated temperatures.

Metal-to-metal bonds should not overlap more than one inch. Every application involving confinement during cure should be thoroughly tested before commercialization.

Curing time increases with the thickness of the sealant. A 1/2-inch cross section, for example, may require 3 or 4 days for complete solidification. However, the cure will have penetrated the outer 1/8-inch in about 24 hours.

Adhered to glass, metal or most woods, *Dynatex® White Mildew Resistant Silicone Sealant* has typical peel strength of 20 pounds per inch, after 72 hours at room temperature.

An odor caused by the liberation of acetic acid is given off during cure. This odor disappears as the cure progresses and is not detectable after cure is complete. Fully cured sealant is non-hazardous.

## STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), *Dynatex® White Mildew Resistant Silicone Sealant* has a shelf life of 12 months from date of shipment.

In Countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright with the nozzle tip pointed upwards. DO NOT stack cartons on their side. **NEVER** stack cartons more than 8 high. DO NOT store within 1 meter (4 feet) of roofline of the warehouse or storage building.

## USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

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