

# SilGlaze™ N10

## One Part Neutral Cure Silicone Sealant

### Product Description

Silglaze N10 is a one component silicone sealant which cures to a high modulus silicone rubber on exposure to atmospheric moisture at room temperature. This product is a neutral cure sealant. In addition to the unique features of silicone rubber such as superior high and low temperatures resistance, water resistance, and outstanding weatherability, Silglaze N10 also provides excellent adhesion to glass, metal and numerous construction materials.

### Key Features and Typical Benefits

- One Component, ready-to-use sealant
- Neutral cure
- Fast skinning and curing
- Maintains good flexibility
- Excellent adhesion to glass, aluminum and most building substrates
- Available in 7 standard colors

### Packaging

310ml cartridge available in cases of 50 (5 boxes of 10 cartridges)

### Potential Applications

- Sealing for glass-to-glass and glass-to-metal sash
- Sealant for housing windows, freight container, metal cladding, ducting and interior sealing in building and housing
- Sealing for general glazing and showroom glazing and general weatherproofing applications

Note; Silglaze N10 is not suitable for Structural Glazing use.

### Colors

Available in 7 colors (Color Suffix): Clear (C); White (W); Gray (G); Light gray (G2); Black (B); Dark brown (A5), Aluminum gray (S)

### Typical Physical Properties

#### Typical Properties - Uncured

| Property                        | Value <sup>(1)</sup> | Test Method |
|---------------------------------|----------------------|-------------|
| Consistency                     | Paste                |             |
| Slump (w=20mm)                  | 0mm                  | JIA A 1439  |
| Tack-free time (23°C)           | 10 min               | JIA A 1439  |
| Curing time (t=5mm, 20°C/55%RH) | 2 days               |             |

#### Typical Properties - Cured

| Property                  | Value          | Test Method <sup>(2)</sup> |
|---------------------------|----------------|----------------------------|
| Appearance                | Elastic rubber |                            |
| Hardness (Type A)         | 26             | JIS K 6249                 |
| Tensile strength          | 1.7 MPa        | JIS K 6249                 |
| Elongation                | 350%           | JIS K 6249                 |
| Peel strength             | 2.8kN/m        | ASTM C 794                 |
| Joint movement capability | 25%            | ASTM C 719                 |
| UV resistance             | Excellent      | ASTM C 794                 |

(1) Typical properties are average data and are not to be used as or to develop specifications.

(2) Contact Technical Services for a description of the test method.

## Installation

### Surface Preparation

Substrate surface should be thoroughly cleaned with a suitable solvent such as alcohol, xylene, or methyl ethyl ketone (MEK). Do not use soap, detergent or water. Wipe the surface dry. Sealant will not properly adhere to a wet substrate. For polycarbonate and acrylic resin, n-hexane should be used in order to prevent solvent-cracking.

### Masking

To obtain a neat sealant line, use masking tape to cover areas adjacent to any joints before priming.

### Primers

It is recommended that preliminary adhesion test be carried out on the substrate to ascertain the adhesion of Silglaze N10. If necessary, primer may be used to improve the bonding performance. Primer can be selected in the selection guide as below. Coated primer should be dried thoroughly before sealant application.

|                                     |              |
|-------------------------------------|--------------|
| • Mortar, stone and masonry         | ; TOSPRIME C |
| • Glass, ceramic, metal             | ; TOSPRIME D |
| • Painted metal, plastic and rubber | ; TOSPRIME E |

**Caution:** Primers contain solvents, which are highly flammable and toxic. Observe all cautions. Storage and use must be done in a well-ventilated area away from any source of ignition such as heat, sparks and flame.

### Back-up Material

Do not apply sealant in direct contact with organic rubber such as chloroprene, EPT, etc. These rubbers may stain the silicone sealant.

### Applying and tooling sealant

Cut nozzle to desired bead size, break the membrane film completely and extrude sealant in the joint. Tool immediately, within 5 minutes, with a spatula to spread the sealant against the back-up material and joint surface. Remove masking tape immediately after tooling. Sealant will begin to skin on the exposed surface in about 15 minutes and cure will progress inward.

## Applicable Standards

SilGlaze N10 Silicone Sealant meets or exceeds the requirements of the following specifications:

- JIA A5758 code regulation (F, G-30SLM)
- ASTM C920, Type S, Grade NS, Class 25
- BS5889, Type B

## Technical Services

For additional technical resources, please contact your local customer service center. (See Customer Service Centers section herein for contact information.) Any technical advice furnished by MPM or any representative of MPM concerning any use or application of any MPM product is believed to be reliable, but MPM makes no warranty, expressed or implied, of suitability for use in any application for which such advice is furnished.

## Limitations

Customers must evaluate MPM products and make their own applications.

## Storage

- Store in a cool, dry, dark place.
- Keep out of reach of children.
- Shelf life is 18 months from date of manufacture when stored in original, unopened containers below 25°C in a dry place.

## Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

## Product Safety, Handling and Storage

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at [www.siliconesforbuilding.com](http://www.siliconesforbuilding.com) or, upon request, from any MPM representative. Use of other materials in conjunction with MPM sealants products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

## Customer Service Centers

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Americas</b>                                       | +1 800 295 2392 Toll free<br>Email: commercial.services@momentive.com                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Latin Americas</b>                                 | <p><b>Brazil</b><br/>+55 11 4534 9650 Direct Number<br/>Email: contato@momentive.com</p> <p><b>Mexico</b><br/>+52 55 2169 7670 Direct Number<br/>Email: commercial.services@momentive.com</p>                                                                                                                                                                                                                                                                   |
| <b>EMEIA - Europe, Middle East, Africa, and India</b> | <p><b>Europe</b><br/>+39 05 1092 4300 Direct Number</p> <p><b>Middle East, Africa and India</b><br/>+ 91 44 7121 2207 Direct Number*<br/>*All Middle Eastern countries, Africa, India, Pakistan, Bangladesh, Sri Lanka<br/>Email: 4information.eu@momentive.com</p>                                                                                                                                                                                             |
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| <b>MyMomentive™ Order Management Site</b>             | shop.mymomentive.com                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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