

## **Product Data**

# **One Part Neutral Cure Silicone Sealant Silglaze N10**

**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 PERFORMANCE PROPERTIES**

- ◆ 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

### **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.

### **TYPICAL PROPERTY DATA**

<b>UNCURED PROPERTIES</b>		
Consistency		Paste
Slump ( w=20mm ) *1	mm	0
Tack-free time (23°C) * 1	min	10
Curing time (t=5mm, 20°C/55%RH)	days	2
<b>CURED PROPERTIES</b>		
Appearance		Elastic rubber
Hardness (Type A) *2		26
Tensile strength *2	MPa	1.7
Elongation *2	%	350
Peel strength *3	kN/m	2.8
Joint movement capability *4	%	25

UV resistance	*3	Excellent
Test Method:	*1; JIA A 1439	*2; JIS K 6249
	*3; ASTM C 794	*4; ASTM C 719

*Typical property data values should not be used as specifications.*

## APPLICATION INSTRUCTIONS

### ◆ 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.

### ◆ PRIMER

A preliminary adhesion test of sealant on the substrate is recommended to ascertain proper adhesion. For difficult-to-bond substrates, use of a primer is suggested. Allow primer to dry thoroughly before proceeding.

### ◆ 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.

## HANDLING AND SAFETY

- ◆ Wear eye protection when handling uncured sealant as it can irritate eyes. In case of eye contact, immediately flush eyes well with water and contact a physician.
- ◆ Adequate ventilation must be maintained in the work place at all times.
- ◆ Extended contact with the skin may cause irritation and should be avoided.
- ◆ Not for food contact use.

## PRIMER

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, Plastics 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.

## 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.

## PACKING

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

## COLORS

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

Issued April 2001 Silglaze N10 E

---

### **FOR INDUSTRIAL USE ONLY**

*It is the responsibility of the user to determine the suitability of any Momentive Performance Materials Japan product for any intended application. NEVER USE ANY MOMENTIVE PERFORMANCE MATERIALS JAPAN PRODUCT FOR IMPLANTATION OR INJECTION INTO THE HUMAN BODY. Specifications are available by contacting Momentive Performance Materials Japan. Typical property data values should not be used as specifications. Inasmuch as Momentive Performance Materials Japan LLC has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the suitability of the material for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any Momentive Performance Materials Japan patent covering use or as recommendations for use of such materials in the infringement of any patent. Material Safety Data Sheets are available upon request from Momentive Performance Materials Japan. The contents of this catalog are subject to change without notice. No part of this data may be reproduced without the prior approval of Momentive Performance Materials Japan.*

---



**Momentive Performance Materials Japan LLC**

<http://www.momentive.com>

Technical Answer Center (Japan): Phone: +81-276-20-6182 FAX: +81-276-31-6259  
Tokyo Head Office: Phone: +81-3-5544-3111 FAX: +81-3-5544-3122