

# High Performance 100% Neutral Silicone Sealant

## SEALANT N

SEALANT N : High performance neutral cure silicone rubber when exposed to moisture and humidity at room temperature. Due to its non-sag, non-flowable features, it may be applied overhead or on sidewall joint surface. It presents no offensive odor during curing and will not corrode metals. Discoloration of copper based metals may occur when hermetically sealed. Moreover, it can adhere well on alkaline material such as mortar and white cement.

### 1 Product Description

- One-component paste-like silicone sealant
- Superior adhesiveness on various materials
- As its neutral basis, no corrosion for many substances and low oxime odor
- General purposes for sealing and bonding with various types of materials
- Curing at room temperature and easy handling
- Excellent elasticity and long term durability
- Weatherability resistance at -50 to 150°C

### 2 Application

- General purpose sealing and bonding applications.
- Suitable for various substrate such as Glass - Metals - Sashes - Marbles - Prefab housing units - Suspension construction - Mortar - Stone

### 3 Specification

- ASTM C 920\*<sup>1</sup> Type S, Grade NS Class 25
  - JIS A 5758-97 G-F 20LM
  - GB/T 14683-93 820 G, N
  - BS 5889 : 1989 Type B
- \*1 Standard Specification for Elastomeric Joint Sealants

### 4 Color

Translucent/White/Black/Gray/Light gray/Dark brown/Dark Ivory/Ivory

### 5 Packing

300ml/cartridge

### 6 Properties



Properties		Results	Test Method
Before curing	Appearance	Paste	-
	Fluidity	Non-Sagging	
	Skin-Over Time at 23°C/50%RH	5 min	
After curing	Density @ 23 degree C	1.05 g / cm <sup>3</sup>	JIS K-6249
	Hardness shore A	17	JIS K-6249
	Tensile Strength	1.0 MPa	JIS K-6249
	Elongation at break	620%	JIS K-6249

Curing conditions: 23-25 degree Celsius, 50-55% humidity, 7 days

## 7 Instruction for use

Please read the latest Shin-Etsu published Functional Sealants Technical Manual. The manual can be obtained from the Shin-Etsu website. [http:// www.shinetsusilicone-global.com/](http://www.shinetsusilicone-global.com/)

## 8 Handling Precautions

- It reacts with moisture in the air and begins to cure at the surface. Consequently, the cure speed will vary according to the temperature and humidity of environment.
- Please note that it may not cure if it comes in contact with flux or certain materials.
- When using with air gun, be sure to set the pressure at a safe and proper level. Pressure should be exceeded 0.2-0.3 MPa.

## 9 Limitation

- 1) Do not use for structural glazing
- 2) It may cause corrosion and discoloration on galvanized iron, zinc-coated steel, copper, brass, limestone, cement, concrete, brick, marble and other porous materials, etc.
- 3) Appropriate for movement joints maximum  $\pm 25\%$

- 4) Before using, the prior test on materials are recommended
- 5) It can't be used as aquarium sealing and interior fire stop system applications.
- 6) Do not use with reflective coated mirrors
- 7) Do not use with direct food and drinking water contact application

## 10 Storage Precaution

- Stored between  $-1-25^{\circ}\text{C}$  and keep out of sunlight.

## 11 Shelf Life

12 month from manufacturing date under storage condition in No. 10

## 12 Safety and Hygiene

- Be sure to provide adequate ventilation area when using
- Be careful not to rub the eyes with hands when using. Please take the appropriate wearing glasses.
- Keep out of children
- Please read Material Safety Data Sheet(MSDS) before using.

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