

High Performance 100% Neutral Anti-Fungal Silicone

SEALANT 4588T

SEALANT 4588T : High performance neutral cure silicone rubber with excellence anti-mold / anti mildew properties 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 Feature

- Excellent anti-mold / anti mildew properties.
- One-component paste-like silicone sealant
- General purposes for sealing and bonding with various types of materials
- No corrosion for many substances and low oxime odor
- Curing at room temperature and easy handling
- Weatherability resistance at -50 to 150°C

2 Application

- General purpose sealing and bonding applications with superior anti-mold / anti mildew properties.
- Suitable for various substrate such as Glass - Metals - Sashes - Marbles - Prefab housing units - Suspension construction - Mortar - Stone - Bath tubs, sinks , kitchen tubs , and sealing in High moisture area

3 Specification

- ASTM C 920 Type S, Class 25
- JIS Z2911
- JIS A 5758-04 G 20LM

*1 Standard Specification for Elastomeric Joint Sealants

4 Color

Translucent/White/Black/Gray/Light gray/Dark brown/Dark Ivory/Ivory/Stone beige/Pewter/Off white/Brown

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 ³	JIS K-6249
	Hardness shore A	17	JIS K-6249
	Tensile Strength	1.4 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°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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ISO 9001 ISO 14001