

Evergreat Neutral Silicone Sealant

PRODUCT DESCRIPTION

Evergreat Neutral Silicone Sealant is a middle/high modulus, high quality, cost effective, low odor, multi-purpose, one-part neutral curing sealant.

Evergreat Neutral Silicone Sealant offers excellent adhesion and long term durability, compatibility with a wide variety of substrates, and good weatherproof ability.

Used in a range of general sealing, general glazing, waterproofing and trade applications.

FEATURES

Stable and flexible from -50°C to $+180^{\circ}\text{C}$

Adheres to a range of common building materials and finishes.

Neutral cure, will not corrode metals, concrete or brick.

Cures to a strong, flexible seal capable of withstanding movement in and around the joint.

Non-slumping, can be used in vertical and overhead joints.

Easy to use – one part, no mixing required.

Resistant to weathering, ultra-violet radiation, vibration, moisture, ozone, temperature extremes, airborne pollutants, cleaning detergents and many solvents.

TECHNICAL DATA

As Supplied – tested at $23^{\circ}\text{C}\pm 2^{\circ}\text{C}$, $\text{RH}50\%\pm 5\%$:

Item	Data	Standard
Gravity of colored, g/cm^3	1.40~1.50	
Gravity of transparent, g/cm^3	0.95~1.02	
Sag/Slump, mm	≤ 1	ASTM D2202-00(2006)
Tack Free Time, min.	≤ 25	GB/T 13477.5-2002
Extrudability, ml/min.	≥ 80	GB/T 13477.3-2002
Hardness, 24H, Shore A	≥ 18	ASTM D2240-05
Hardness, 7d, Shore A	≥ 25	ASTM D2240-05
Depth of curing, 24H, mm	≥ 2	ASTM C1184-05
Depth of curing, 7d, mm	≥ 6	ASTM C1184-05
Recovery of elastic, %	≥ 80	GB/T 13477.17-2002
Tensile modulus(MAX), MPa	≥ 0.5	GB/T 13477.8-2002
Elongation at break, %	≥ 250	GB/T1040.2-2006
APPLICATION TEMPERATURE:	$+5^{\circ}\text{C}$ to $+40^{\circ}\text{C}$	

APPLICATIONS

Evergreat Neutral Silicone Sealant is a low/middle modulus silicone adhesive/sealant designed for applications where non corrosive curing and durable adhesion to a variety of substrates is required.

Evergreat Silicone Sealant is ideally suited for general purpose glazing, sealing and weatherproofing applications, has excellent adhesion to glass, glazed surfaces, anodized aluminum, concrete, cement, wood and many plastics.

It is widely used in industry building, automotive, package, and family decoration for joints adhesion and sealing among glass, ceramics, aluminum alloys, plastics, woods, paper etc.

APPLICATION LIMITS

Evergreat Neutral Silicone Sealant is not suitable for adapting to structural fitting and following situations:

To all surfaces that bleed oil, plasticizers or solvents such as wood immersed in oil, oil crack filler, and some uncured or sulfurized fat and to surface where is wet;

To the substrate that the surface temperature exceeds +50°C or apply at temperatures below 5°C;

Use in the manufacturer of IG units;

To closed or confined areas where sealant cure may be inhibited by lack of air (silicone sealant need the water in the air to cure);

To use in construction or sealing of aquariums;

To the painted surfaces, may cause seal failure as the paint cracking or stripping;

To the surfaces that with direct touch of food.

Do not use for structural glazing.

Not recommended for continuous water immersion applications.

Not recommended for use with marble and similar highly porous

Not recommended for joints where movement exceeds $\pm 20\%$.

Not recommended for use in below ground joints or trafficable

Joints where abrasion and physical abuse are encountered.

Contact with acetoxy silicone sealant

HOW TO USE

Cleanse with a cleaning agent, to keep the substrate surfaces completely clean.

Use the sealant after cleaning agent dries, around 1~2mins later. You can use two different cloth, one for cleaning agent, and the other for sealant. (Notice that the two can't be mixed use together, and the second cloth will be better purified cotton and no picking.)

For better appearance, cover outside of joint areas with masking taps before application.

Cut nozzle to desired size and extrude sealant to joint areas.

Tool immediately after sealant application, make it smooth and remove masking tape before sealant skins.

SHELF LIFE

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and 27°C.

COLOR

Transparent, gray, black and white.

Also we can produce the sealant with special color upon customers' requirement.

PACKAGING

Cartridge: 280ml, 300mL

Sausage: 300mL, 600mL

NOTES FOR SAFE OPERATION

Keep out of reach of children. Place shall be well ventilated. Don't let non-solidified sealant touch your eyes. If it accidentally goes into your eyes, wash your eyes with rinsing. When using detergent, the corresponding specification shall be accorded to. Before operation, please carefully read the specifications of products and material, and instructions on the package of container.