



Technical Data Sheet _ Neutral Curing Oxime Sealant GP Sealant

Features

One Component Silicone Sealant
Oxime type

Benefits

Excellent Weather resistance

Main ingredient

Silicone polymer

1. Product Summary

GP Sealant is a one-component neutral curing oxime sealant that can be attached to most building materials, such as PVC and glass, and has excellent water resistance, heat resistance, and weather resistance. It is also a silicon sealant with excellent workability and is used in many adhesives.

2. Application

- Sealing for various building subsidiary materials
- Sealing around window frame, made of AL, steel, wood, PVC etc
- Glazing and adhesive between glass and window frames.
- Wood window frame glazing, Non oily wood etc.

3. Features & Benefits

- Easy to use as one-component sealant
- Non-sag type room temperature curing sealant
- Low modulus
- Excellent resilience and movement resistance
- Excellent weather resistance
- Excellent workability at low temperatures
- Excellent adhesion without primer on most materials

4. Properties

(Test condition : 23 °C, 50% RH)

Property	Unit	Result
Main ingredient	-	SILICONE POLYMER
Curing system	-	OXIME
COLOR	-	White, Gray, ETC.
Viscosity	-	Soft Paste
Tack Free Time	Min	Max. 15 approx.
Specific Gravity	-	1.45 ± 0.02 approx.
Hardness	Shore A	35±3
Tensile strength (ASTM D412)	N/mm2	Min 0.8 approx.
Elongation (ASTM D412)	%	300Approx
Package	-	300 ml HDPE CTG
Weather resistance	-	Good

Caution) The above properties are not characteristic values, but representative values.

The above product properties were measured under the specified laboratory conditions, and may vary depending on the conditions of the workplace, so please use them for reference.



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5. How to use

1. Surface preparation

- ① Remove any residue attached to other joints, such as dust, oil, moisture, and abrasive residues from the surface
- ② Wash the contaminated parts with a cloth or the like.
At this time, make sure to wipe off the solvent-stained surface with a clean cloth.
Do not wash with detergent or water.
If there is a risk of dissolving the adhered surface, use isopropyl alcohol (use Xylene or Toluene as solvents. No use of oil, diesel, or gasoline)
- ③ In the case of porous materials, wash them with grinding and cutting blast washing methods and remove residual foreign substances using clean compressed air or vacuum washing machine. Be sure to apply it in a clean and dry surface condition.
- ④ If the adhesive is contaminated by other pollutants such as dust or rainwater, the surface treatment should be performed again.
Most cleaning solvents are highly flammable, so you should work carefully in a well-ventilated place.

2. Back-up materials

- ① Use a material that does not absorb water.
- ② Use one that is 3 to 4 mm thicker than the joint width.
- ③ Be careful not to damage the surface and edge of the backup material when inserting and adjust the sealant to have an appropriate shape factor (depth/width).
- ④ Please be careful because the use of damaged backup materials will cause foaming.

3. Masking

- Attach TAPE to both sides of the joint to prevent contamination or damage around the construction site, and use a product that does not leave any adhesive when removing the masking tape. (Please work on the masking tape only on the same day.)



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4. Priming

- Before applying the sealant, make sure to check the adhesion with the adhesive surface through an adhesive test before applying it.
- We recommend the results and suitable primers after the adhesion test between various materials and sealant used in the project site.
- If the primer is excessively used to the extent that the coating thickness is 5 μm or more, it may cause adhesion loss, so be careful when applying it when using the primer. When exposed to outside air in a high temperature and high humidity state after the primer is applied, a white film or a thin film is formed on the surface to cause adhesion defects, and thus the primer should not be left for a long time.
- We recommend that you work within 20 minutes to 4 hours after applying the KP9930 and KP9930 primers.
Most of the primers are highly flammable, so you should pay attention to flammable materials in well-ventilated places.
- Since the brush that has not been used for a long time is hardened after the primer operation, the brush must be washed and stored with a solvent (toluene, xylene, isopropyl alcohol, etc.), and the primer must be applied while the brush is soft during rework.
- When using a primer, subdivide the amount that can be worked on in a small and clean container for about 30 minutes, and once opened, the primer used may be deteriorated by moisture in the air, so it should not be reused after use within 30 minutes. Please seal the lid of the primer container tightly to prevent moisture from entering the primer.

5. Filling

- Sealant should be filled as soon as possible after the designated drying time has elapsed after primer application.
- Fill should be sufficiently filled from the intersection or edge of the joint to the corner to prevent gaps or bubbles, and the finish should be in a position that avoids the intersection and corner.



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6. TOOLING

- After caulking, do it immediately before the sealant curing.
- Prepare a spatula that fits the width of each joint and push the surface of the sealant at a constant angle.
- Push with a spatula several times at the intersection or corner.

7. Remove the masking tape.

Remove masking tape immediately after tooling, and make the surroundings clean and uniform.

8. Clean up

Be careful not to affect the attachment and sealant when cleaning the surrounding area after completion of the work.

9. Curing

It must be protected from dust or other contamination during curing, do not contact until complete curing, and be careful not to apply physical impact.

(CAUTION: Until the sealant is completely cured, the sealant and the adhesive must be fixed so that there is no movement.)



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6. Limitation

- ◆ Enclosed space with limited air
- ◆ When the temperature of the surface to be deposited is over 50 °C
- ◆ When the surface to be adhered is wet (water content of 3% or more)
- ◆ Areas where permanent flooding is expected
- ◆ When buried in the ground
- ◆ Areas where food is expected to come into contact
- ◆ Fireproof fire prevention section
- ◆ Joints where wear or physical friction is expected
- ◆ When the joint width is 6mm or less (however, recommendations for ideal joint design)
- ◆ Structural (SSG method) cannot be used.

7. Precautions

- 1) Keep it out of reach of children, and be careful not to consume it or inhale steam or come into contact with the skin as the contents can cause health problems such as headaches, dizziness, and dermatitis.
- 2) Do not store or work near firearms.
- 3) Be sure to ventilate sufficiently during work and drying in an enclosed place.
- 4) Never use it for anything other than its intended use is prohibited.
- 5) Be careful not to impact the container.
- 6) Avoid direct sunlight and store it in a dry and cool place (5-25°C) to prevent deterioration of the contents during transportation and storage. Make sure to keep the container sealed and store the remaining amount after use in the same way (not available as GEL when mixing moisture).
- 7) Avoid working on rainy days, high humidity days (more than 85%), and low temperature days (less than 5°C). (Please contact our technical department about the work as cracks in coating and poor adhesion may occur.)
- 8) When used for construction purposes, the determination of the width and depth of the joint is very important for the purpose of adhesion, and too shallow or too deep is not desirable. (Recommended joint specification-width: depth = 2:1, width of the attachment surface needs to be secured at least 6 mm. If you construct less than 6 mm, you may experience poor attachment depending on your possession and construction condition.) – If you have any questions about the proper joint shape, please contact our technical department.



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7. Precautions

- 9) Do not use the adhesive at temperatures above 50° C and below 5° C.
- 10) The curing speed of this product may vary depending on the amount of application of the product.
- 11) If the adhesive surface is contaminated, adhesion may decrease, so wipe the adhesive surface with a cleaning solvent for proper adhesion.
- 12) You must keep the designated drying time. This has a decisive impact on sealant performance.
- 13) Long-term exposure to ultraviolet rays may cause yellow stools.
- 14) Do not mix this product with other products (solvents, diluents, etc.).
- 15) Wear gloves and protective glasses when handling.
- 16) When used for construction purposes, use damaged backup materials as they cause air bubbles on the sealant surface and internal air bubbles, hindering their aesthetics.
- 17) When used for construction, a structure in which the rear surface is not sealed may cause swelling and air bubbles on the sealant surface due to joint movement and external air inflow, so be sure to use it in a sealed structure.
- 18) Silicon sealant products including SL907 premium (FC) can cause contamination on the adhered surface by silicone components when applied to midnight glass or non-polluting fluorine, thereby affecting self-cleaning performance (non-polluting performance).

Direct use is prohibited.- For more information, please contact the technical department.

- 19) Wash exposed skin thoroughly after completing the work.
- 20) When disposing of this product, dispose of it through a waste disposal company designated by the Ministry of Environment.
- 21) Since this product is a chemical product, it may deteriorate during long-term storage, so use it within the validity period.

※ Color, capacity, date of manufacture, and Lot number are separately displayed.

※ For other inquiries and methods of use, please refer to our website or contact our customer counseling office.

※ If there is any problem with this product, we will compensate you according to the consumer damage compensation regulations for each item notified by the Ministry of Finance and Economy.



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8. Usable life and storage

- USE BY: 9 months from the date of manufacture
- It is recommended to store it in a place between 5 and 25° C out of reach of children, and when storing for a long time, keep it in a cool place avoiding direct sunlight.
- ※ Failure to manage storage temperature affects product life and can lead to quality degradation even within the expiration date.

9. Package

- 300 mL/PE ctg , 25 Pcs/Box

10. Limited warranty information

This product's technical data was prepared with reference to various data and is considered reliable and accurate.

KCC's exclusive warranty is guaranteed only when the product is complied with the usage, restrictions, construction methods, and precautions in the sales manual.

KCC's quality guarantee is not possible if any of these items are not observed or exceed the expiration date.

Terms and methods of use may not be included in our general control category, so we To ensure that the general purpose product is safe, efficient, and meets the intended end-use purpose of the customer.

It's the customer's responsibility and judgment.

Within the scope of the above warranty, compensation for the buyer's rights is limited to refunds of purchase unit prices and exchanges for other products guaranteed. We are not responsible for any accidental accidents or serious losses that occur when using a product outside the scope of such warranty.

11. The day of issue

- The date of issue : 2021. 10. 01
- The date of issuance : 2021. 10. 01

※ Please refer to MSDS for detailed precautions for use or safety and hygiene precautions.