Overview

This Anti-UV Structural Silicon Is Specially Design For Total Glazing.

MF-881 is a two parts component, room temperature cured, high elasticity and high modulus silicone sealant with curing time adjustable. The sealant has excellent adhesion to most building materials without priming paints and it has outstanding resistance performance to air aging.

The anti-UV, high elasticity and high modulus MF-881 two parts components structural silicon sealant is used for insulated glass and curtain wall sealing especially for total glazing where structure is main concern

Features

Characteristic

- High elasticity and high modulus.
- Outstanding resistance to high and low temperature and air aging.
- Neutral cured, no corrosion to the surface.
- Excellent adhesion to most building materials.
- Movement capability: ±12.5%
- No pollution to environment.

Application

MF-881 is mainly applied for hidden-frame curtain walls and total glazing. It could also be used for the assembly and sealing of the glass. It is remarkable resistance to the pressure of blast on transportation such as car and ship, etc.

Notes

- Testing should be carried out for compatibility and adhesive property of project materials before application.
- Part B should not be long-term exposure to air or it will react with water moisture.
- In case of contact with eyes, rinse immediately with plenty of water.
- Avoid long-term contacting with skins.
- Avoid contaminating food, medicine or cosmetics, etc.

Application methods

Surface Cleaning

Surfaces where silicon shall be applied must be cleaned, dried and free of grease. Masking tape should be used to avoid contamination and they shall be removed after sealing.

Cleaning Skill

Used with neat cloth with lint-free, or cleaned, white and lint-free cotton cloths.

Used with solvents such as allotropic-propanol, butanone or dimethyl benzene, etc.

Apply “two-cloth” cleaning.

- Use a white clean lint-free cloth dipped in the solvents to wipe the areas to be attached.
- Use the second one to wipe off the remained cleaning solvents on surface before volatilization.

- The surface is often injected within an hour after wash in case of twice contamination. The surface (washed already), with which sealant is not applied in time, should be cleaned again before application.
- Solvents should be poured out from the container while dipping solvents, but the cloth should not be put in the container to soak in case of contamination. The cloth should be changed in time.
- No burning in the area using solvents. Keep good ventilation.

MF-881 should be mixed in the sealing mixing equipment at the weight ratio of 12:1 (Part A: Part B). The ratio could be changed between 11:1 and 14:1 to adjust the curing time.

Restriction

Apply the sealant according to <The Application Standard of Silicone Structural Sealant>. It is inapplicable under following circumstances.

- Any building materials with exudation of grease, plasticizer or solvent, etc
- Vulcanized or semi-vulcanized rubber.
- Those areas where other sealants are applied.
- The joint which undertake structural intensity, suffering excessive rub or physical destroy.
- Frosted or humid surface.

Packing

MF-881 silicone structural sealant is composed of Part A and Part B and it is mixed in weight ratio of 12:1.

Large Package

- Part A: 227 kg / barrel (200 Lt / barrel) (Interior diameter: 570mm)
- Part B: 19 kg / barrel (20 Lt / barrel) (Interior diameter: 280mm)

Medium Package

- Part A: 25 kg / barrel (20 Lt / barrel)
- Part B: 0.32 kg /barrel (300 ml / cartridge)

Transportation

MF-881 is non-dangerous and it could be delivered by different transportation methods such as truck, train, boat and plane, etc.

Storage

The shelf-life shall be 12 months stored in shady, dry and ventilated environment below 27℃.

Security notices

The information does not include all the safety notices one should know. For safely using, carefully reading of < The Application Standard of the Structural Silicone Sealant > and the introductory sheets are necessary. Applying on Cr-plated surface should be done carefully. Consultations with specialists are required in case of necessary. Sufficient secure tests should be carried out. For details, please refer to JGJ102 standard.

Specifications

Items	Description		Specifications
1	Color	Part A	Black, white, brown and grey, etc.
		Part B	
2	Sag	Placed Vertically (mm)	≤ 1
		Placed Flatly	No Distortion
3	Extrusion Property (s)		≤ 5
4	Pot Life (min.)		≥ 20
5	Tack-free Time (hrs)		≤ 2
6	Shore Hardness		30 - 60
7	Tensile Strength (MPa)	Standard Conditions	≥ 0.8
		90℃	≥ 0.6
		-30℃	≥ 0.8
		After Water Soak	≥ 0.8
		After Water-UV Soak	≥ 0.8
		Damaged Areas (%)	≤ 5
Remarks			
●	Meet ASTM C920 and GB16776 standards		