

[Product Details](#)

Quick Information

- Model Number : MF899

Description

MF899 Silicone Structural Sealant

Introduction:

MF899 is one component, neutral cured, high elasticity and high modulus. It has excellent adhesive strength and outstanding weatherproofing ability.

Characteristics:

High elasticity, high modulus.

Neutral cured, no corrosion to the surface.

Excellent resistance to air aging.

Movement capability: $\pm 25\%$

Excellent adhesion to most building materials, particularly to glass and aluminum without priming paint.

No pollution to the environment.

Purposes:

Mainly applied in structural assembly of hidden-frame curtain walls and waterproofing or weatherproofing sealing for automobiles and ships, etc.

Properties:

No. Item Technical Data

1 Color Black ,white ,brown and grey ,etc.

2 Sag Placed Vertically ≤ 1

Placed Flatly No Distortion

3 Extrusion Property (s) ≤ 5

4 Tack-free Time (h) ≤ 2

5 Shore Hardness $30 \sim 40$

6

Tensile

Adhesive

Property Tensile

Adhesive

Strength

(MPa) $23^{\circ}\text{C} \geq 0.8$

$90^{\circ}\text{C} \geq 0.8$

$-30^{\circ}\text{C} \geq 0.8$

After soak in water ≥ 0.8

After soak in water-UV ≥ 0.8

Damaged-areas % ≤ 5

23°C Elongation ratio under maximal stretch strength, % ≥ 100

7 Cured Time (T= 25°C , RH=50%) d $7 \sim 14$

8 Weatherproofing property $^{\circ}\text{C}$ $-60 \sim 80$

9 Resistance to ultraviolet ozone Continuous irradiation under water-ultraviolet for 2500h, no change

Consistent with standards: GB16776 & ASTM C920



Methods of Application:

1. Surface-cleaning

For good adhesion, the surface must be clean and dry without dust. Masking tape should be used for preventing contamination and be got rid of after sealing.

2. Cleaning technology

Neat cloth with lint-free (or clean, white, lint-free, cotton cloths).

Such solvents as allotropic-propanol, butanone, dimethyl benzene, etc.

Apply ?two-cloth? cleaning.

A. Use a white clean lint-free cloth dipped in the solvents to wipe the areas to be attached.

B. Use the second one to wipe off the remained cleaning solvents on surface before volatilization.

C. The surface is often injected within an hour after wash in case of twice contamination .The surface (washed already) which cannot be injected sealant in time should be cleaned again before injecting.

D. Solvents should be poured out from the container while dipping solvents, but not put the cloth in the container to soak in case of contamination; the cloth used should be changed in time.

E. No burning in the area using solvents, keep good ventilation.

3. Injecting Sealant

Evenly injecting sealant manually or by air-driven injecting gun on above 10°C along one direction, the joints-filling should be full of sealant in order to mend. Masking tape should be used in case of contamination and be got rid of after sealing

4. Restriction:

Apply the sealant according to The Application Standard of Silicone Structural Sealant.

Not applicable in the following circumstances:

1. Any building material exuding grease, plasticizer or solvent.

2. Vulcanized or semi-vulcanized rubber.

3. The area where other sealant is applied.

4. The joint which undertake structural intensity, suffering excessive rub or physical destroy.

5. The region where is closed and cut off the air.

6. Frosted or humid surface.

Attention:

1. Do a test on compatibility and adhesive property of project materials before using.

2. Com B should not be open to the air for a long time because it will react with water in the air.

3. In case of contact with eyes, rinse immediately with plenty of water;

4. Avoid contacting with skin for a long time

5. Avoid contaminating food, medicine or cosmetics.

Storage:

The shelf life will be 12 months stored in cool, dry and ventilated places below 27°C.

Package:

Cartridge Package: 300ml/piece, 25pcs/carton

Sausage Package: 592ml/piece, 20pcs/carton.

Transportation:

MF899 is non-dangerous, can be transported by train, automobile, ship and plane.