

OLV7000 Silicone Weatherproofing Building Sealant

Description:

OLV 7000 Silicone Weatherproofing Building Sealant is a one-component neutral curing silicone sealant with excellent adhesion, weatherability and elasticity for weather sealing in curtain wall and building facades, especially suits applications in the areas with large difference in temperature and low humidity. It easily extrudes in any weather and quickly cures at room temperature by reaction with moisture in the air to form a durable silicone rubber seal.

Main purposes:

1. For weatherproofing sealing nonstructural curtain wall joints, facade joints and system;
2. Weather sealing in metal (not including copper), glass, stone, aluminium panel, and plastic;
3. Excellent adhesion to most common building material.

Characteristics:

1. One-component, neutral-cured with excellent adhesion, weatherability and elasticity for weather sealing in curtainwall and building facades;
2. Excellent weatherability and high resistance to ultraviolet radiation, heat and humidity, ozone and temperature extremes;
3. With good adhesion and compatibility with most building material;
4. Remain flexible over a temperature range of -40°C to 150°C.

Application:

1. Clean with solvents such as toluene or acetone to keep the substrate surfaces completely clean and dry;
2. For better appearance cover outside of joint areas with masking taps before application;
3. Cut nozzle to desired size and extrudes sealant to joint areas;
4. Tool immediately after sealant application and remove masking tape before sealant skins.

Limitations:

1. Unsuitable for curtain wall structural adhesive;
2. Unsuitable for the airproof location, because it is required to absorb moisture in air to cure for the sealant;
3. Unsuitable for the frosty or moist surface;
4. Unsuitable for the continually soggy place;
5. Can't be used if the temperature is below 4°C or above 50°C on the surface of the material.

Warranty Period : 12 months if keep sealing, and stored below 27°C in cool, dry place after the date of production.

Standard: I 25HM JC/T 882-2001

Volume: 300ml

Technical data:

The following data are only for reference purpose, not intended for use in preparing specification.

OLV 7000 Silicone Weatherproofing Building Sealant			
Performance	Standard	Measured Value	Testing Method
Test at 50±5% RH and temperature 23±2°C:			
Density (g/cm ³)	±0.1	1.48	GB/T 13477
Tack-Free Time (min)	≤180	26	GB/T 13477
Extrusion (ml/min)	≥80	112	GB/T 13477
Tensile Modulus (Mpa)	23°C	> 0.4	0.63
	-20°C	or > 0.6	/
Slumpability (mm) vertical	not change shape	not change shape	GB/T 13477
Slumpability (mm) horizontal	≤3	0	GB/T 13477
Curing Speed (mm/d)	2	3	/
As Cured -After 21 days at 50±5% RH and temperature 23±2°C:			
Hardness (Shore A)	20~60	40	GB/T 531
Tensile Strength under Standard Conditions (Mpa)	/	1	GB/T 13477
Elongation of Rupture (%)	/	297	GB/T 13477
Movement Capability (%)	25	35	GB/T 13477
Storage	12 Months		