

Technical Data Sheet

03/2018

Characteristics

BLD-791 is one-component, neutral, room-temperature curing silicone weathering sealant that is easy to use; Specially designed for ordinary glass assembly, curtain wall and building exterior wall with high movement capacity waterproof products; Excellent weather resistance, long service life, ultraviolet rays, ozone, rain, hail, extreme high and low temperatures will not affect it; Good adhesion, strong adhesion to most building materials after curing; Excellent tensile and compressive properties.

The cured sealant retains good elasticity between -40°C and 120°C and is inferred from aging tests: Do not harden or crack under normal climatic conditions.

BLD-791 Weatherproof Silicone 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	12	GB/T 13477
Extrusion (ml/min)		≥80	280	GB/T 13477
Tensile Modulus (Mpa)	23°C	≥0.4	0.4	GB/T 13477
	-20° C	≥0.6	0.7	GB/T 13477
Slumpability (mm)vertical		not change shape	not change shape	GB/T 13477
Slumpability (mm)horizontal		≤3	/	GB/T 13477

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Curing Speed (mm/d)	2	2.5	GB/T 32369
As Cured - After 21days at 50±5% RH and temperature 23±2°C			
Hardness (Shore A)	20~60	35	GB/T531
Tensile Strength under Standard Conditions (Mpa)	/	0.85	GB/T 13477
Elongation of Rupture (%)	/	450	GB/T 13477
Movement Capability (%)	/	50	GB/T 13477

Typical Use

1. Used for bonding and sealing of various glass curtain wall projects;
2. Used for bonding and sealing of various aluminum plate curtain walls and aluminum-plastic composite panel curtain walls;
3. Used for gap filling sealing between glass, ceramics and various metal plates;
4. Used for all kinds of aluminum doors and windows, plastic steel doors and windows and gusset doors and windows installation;
5. Other uses.

Direction for use

1. Rinse the surface where you will stick with acetone or other solvent;
2. Paste the low viscosity adhesive tape on the place that needs protection; Recondition and remove the adhesive tape before the sealant becomes solidifying;
3. Product applicability should be confirmed in user's sole judgement. Please do the compatibility test before official use to make sure that it can stick well with the substrate materials and full the interface, otherwise we are not responsible for any complaints of application.

Safety Rules

1. Keep the work field drafty.
2. In case of contact with eyes, rinse with plenty of water and appeal to the doctor immediately.

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3. Keep away from the children.

Limitation

1. Should not use as structural sealant.
2. Should not be used on the oily or oil-leaking, frosty or damp surface and in the airtight places, nor the material surface which the temperature is below 4°C or above 40°C.

Storage

1. Should be stored separately in cool and dry places, temperature below 27°C.
2. 12 months shelf life since the date of production.

Transportation

Transported as unhazardous goods.

Color

black, white and grey, and colors for customers' needs.