

Technical Data Sheet

03/2023

Characteristics

BLD-858 is one-component silicone sealant product, neutrally cured, non-corrosive to metals, coated glass, concrete and marble (granite); Excellent weathering resistance, service life of 50 years under normal climatic conditions; Excellent high and low temperature resistance, little change in performance in the range of -40°C to 120°C; Excellent adhesion to most building materials, high strength, high modulus and high flexibility.

BLD-858 Silicone Sealant				
Performance		Standard	Measured Value	Testing Method
Test at 50±5% RH and temperature 23±2°C				
Density (g/cm³)		±0.1	1.05	GB/T 13477
Tack- Free Time (min)		≤180	7	GB/T 13477
Extrusion (ml/min)		≥80	280	GB/T 13477
Tensile Modulus (Mpa)	23°C	≥0.4	0.8	GB/T 13477
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	2.5	GB/T 32369
As Cured - After 21days at 50±5% RH and temperature 23±2°C				
Hardness (Shore A)		10~60	35	GB/T531

Technical Data Sheet

03/2023

Tensile Strength under Standard Conditions (Mpa)	/	1.1	GB/T 13477
Elongation of Rupture (%)	/	280	GB/T 13477
Movement Capability (%)	/	25	GB/T13477

Typical Use

1. Glass curtain walls joints, metal, enamel curtain wall joints;
2. Expansion joints for concrete, plastic and metal etc;
3. Exterior insulation and finish system;
4. Perimeter construction joints.
5. Bonding and sealing of daylighting glass shed.

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.
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.

Technical Data Sheet

03/2023

Transportation

Transported as unhazardous goods.

Color

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