

# Technical Data Sheet

03/2023

## *Characteristics*

BLD-119 is one-component, neutral, room-temperature curing silicone weathering sealant that is easy to use; 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-119 Neutral Silicone Sealant**

<b>Performance</b>	<b>Measured Value</b>	<b>Testing Method</b>
Test at 50±5% RH and temperature 23±2 °C		
Density (g/cm <sup>3</sup> )	1.36	GB/T 13477
Tack- Free Time (min)	30	GB/T 13477
Extrusion performance (ml/min)	280	GB/T 13477
Flow (sag or slump) (mm)	0	GB/T 13477
Curing Speed (mm/d)	2.5	GB/T 32369
As Cured - After 21days at 50±5% RH and temperature 23±2° C		
Hardness (Shore A)	45	GB/ T531
Tensile Modulus (Mpa)/23 °C	0.6	GB/T 13477

# Technical Data Sheet

03/2023

Slumpability (mm)vertical	not change shape	GB/T 13477
Slumpability (mm)horizontal	0	GB/T 13477
Tensile Strength under Standard Conditions (Mpa)	1.1	GB/T 13477
Elongation at break (%)	260	GB/T 13477
Determined adhesion	No damage	GB/T 13477
Mobility (%)	25	GB/T13477
Fire resistance integrity (h)	3	GB/T2408-2008
Fire resistance and thermal insulation (h)	3	

## ***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.

## ***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.

# Technical Data Sheet

03/2023

- 
- 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.

## ***Transportation***

Transported as unhazardous goods.

## ***Color***

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