

Technical Data Sheet

03/2023

Characteristics

BLD-4800 is one-component, acetic acid type, room temperature curing, high quality silicone glass glue, easy to use, fast curing speed, excellent weather aging resistance, good adhesion to a variety of building materials. Widely used in glass, aluminum alloy, ceramics, glass fiber, non-oil wood and other materials and large-scale engineering bonding and sealing.

BLD-4800 Acid Silicone Sealant				
Performance		Standard	Measured Value	Testing Method
Test at 50±5% RH and temperature 23±2 ℃				
Density (g/cm ³)		±0.1	1.09	GB/T 13477
Tack- Free Time (min)		≤180	7	GB/T 13477
Extrusion (ml/min)		≥80	300	GB/T 13477
Tensile Modulus (Mpa)	23 ℃	≥0.4	0.7	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	3	GB/T 32369
As Cured - After 21days at 50±5% RH and temperature 23±2 ℃				
Hardness (Shore A)		10~60	36	GB/T531
Tensile Strength under Standard Conditions (Mpa)		/	1.2	GB/T 13477

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Elongation of Rupture (%)	/	200	GB/T 13477
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Typical Use

1. Assembly and seal for all kinds of big panel glass, glass sky-light as well as fish tank;
2. Assembly and seal for aquarium, glass cabinet and displaying showcase;
3. Glass adhesion and seal in all kinds of assembly projects.

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.

Transportation

Transported as unhazardous goods.

Color

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