



# « 930 / 500 B

## Neutral & Weatherproof Silicone Sealant

### 1. Product description

A neutral cure silicone rubber sealant with excellent adhesion to most common construction materials usually without the need of priming.

Readily extrudes over a wide temperature range and quickly cures to produce a durable.

Suitable for use in dynamic applications such as expansion, perimeter and control joints, sealing of windows, precast concrete panels and stress cracks.

Neutral cure sealant for also use with metal products. (Not including copper)

Excellent temperature stability: -50°C to 150°C

### 2. Complete list of ingredients with CAS #s and exact percentages, indicating any ingredients to be protected, on SDS, as tradesecrets.

| Chemical Name           | CAS-No.    | Concentration (%) |
|-------------------------|------------|-------------------|
| Organic Hydroxysiloxane | 63148-62-9 | 25.36%            |
| Nano-calcium Carbonate  | 471-34-1   | 50%               |
| Organic Methyl Silicone | 18418-54-7 | 15.2%             |
| Dimethyl Silicone       | 64365-18-0 | 6%                |
| Methyl Silane           | 992-94-9   | 3%                |
| Dibutyltin Dilaurate    | 77-58-7    | 0.04%,            |
| Amino Silane            | 37697-65-7 | 0.4%              |

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3. Physical data: pH, specific gravity, bulkdensity, and any other data available. e.g. VOCcontent or VOC test results.

## ● TEST REPORT

| Test Items                                   |                       | Technical Indicators<br>GB/T 14683-2017  | Results  | Remarks   |
|--|-----------------------|--|--|-----------|
| Appearance                                   |                       | Appearance:Fine uniform paste,no bubbles,no caking.No gel,no crust,no undispersed precipitates | Appearance:Fine uniform paste,no bubbles,no caking.No gel,no crust,no undispersed precipitates | Qualified |
| Extrusion(ml/min)s                           |                       | ≧ 80   | 360/min  | Qualified |
| Surface Dry Time/h                           |                       | ≧ 3  | 0.6  | Qualified |
| Elastic recovery rate                        |                       | ≧ 80   | 96   | Qualified |
| Mass loss rate                               |                       | ≧ 8  | 6.8  | Qualified |
| Sag  | Vertical Placement/mm | ≧ 3  | 0  | Qualified |
|  | Horizontal Placement  | Not deformed   | Not deformed   | Qualified |
| 23℃ Tensile Modulus                          | Tensile Strength/Mpa  | > 0.4  | 0.89   | Qualified |
|  | Destruction Area%     | ≧ 5  | 0  | Qualified |
| Constant elongation bonding                  | Bond failure area%    | ≧ 5  | 0  | Qualified |
| Adhesion after ultraviolet radiation         | Bond failure area%    | ≧ 5  | 0  | Qualified |
| Constant elongation after immersion in water | Bond failure area%    | ≧ 5  | 0  | Qualified |

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## 4. Form,color and odor

590ml

Colours: Transparent, Black, White, Charcoal, Sandalwood, Bronze, Window Bronze, Limestone. Colourful, Etc.



Clear Glue



White Glue



Black Glue

## 5. Any known reactions that occur

Used in a range of general sealing, general glazing, waterproofing and trade applications.

Excellent adhesive to most common building material.

Weatherproofing applications, resistance to sunlight, rain, ozone.

Excellent adhesion to glass, glazed surfaces, anodized aluminum.

It's widely used in industry building, package and family decoration for joints.

## 6. Any known product incompatibilities

1. not suitable for long-term water immersion

2. not compatible with materials that will ooze grease, plasticizers or solvents.

3. frost or wet surface can not be bonded.

4. completely closed place can not be cured (silica gel needs to be cured by the water in the air)

5. substrate surface is not clean or not firm

6. not suitable for structural glazing application

7. not suitable for construction when the surface temperature of the substrate exceeds 50°C