

## Polysulfide Sealant for Insulating Glass

CNC-998

### Description

It is a kind of two-part room temperature vulcanized polysulfide sealant with high performance especially formulated for insulating glass.

This sealant has excellent elasticity, heat gas penetration and adherent stability to various glasses.



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Insulating glass is a kind of energy-efficient material with various functions of soundproof, heat-resistant, anti-frost, and anti-fume, etc. It is widely used as the wind shields in construction, trains automobiles and the door glasses in refrigerators and freezing cabins.

The property of CNC-998 is certificated by JC/T 486 -2001 standard <Elastic Sealant for Insulating Glass>.

CNC-998 is certificated by GB/T11944-2002 standard -<Insulating Glass>.

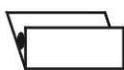
### Where to use

CNC-998 Polysulfide sealant is specially designed for insulating glass.

#### Application

1-Two parts of CNCGLASS CNC-998 packaged respectively of composition A (basic gel) and composition B (curing agent), are mixed together according to the ratio of A: B=10: 1 before application. The curing rate may be modulated by changing the weight ratio of composition A to composition B over the range of 12:1 to 8:1 according to different environment conditions.

2-The mixture of sealant can be classified into two methods, one by hand-made and the other by special extrusion machine. It is noticed that CNCGLASS CNC-998 sealant should be scratched and mixed by the spatula along the same direction repeatedly to prevent gas bubble trapped in sealant in the method of hand-made. The homogeneity of mixture can be measured by butterfly-type method as listed in the following figure:



Good Mixture



Bad Mixture

3-The surfaces of insulating glasses must be dry and clean.

4- CNCGLASS CNC-998 should fill the joints completely which need to be caulked during the course of making insulating glass.

5-Gun mouth should be assured to move along the same direction at uniform velocity to make the joints full of sealant and prevent the gas bubble production due to moving too fast or back and forth in the method of using special extrusion machine.

6-The sealant overflowing the joints should be pressed back at once by spatula to make the sealant contacting with the sides of the joints completely and smooth the surface of the joints along the same direction.

#### Main Technical Properties (Only for Reference)

Under the conditions of the 23±2°C and the R.H. 50±5%				
Item	Component A		Component B	
Viscosity(Pa's)	4000		800	
Appearance	Fine, smooth and homogeneous		fine, smooth and grease-like	
Color	White		Black	
Density(g/em3)	1.75±0.1		1.52±0.1	
Mixed Component A and Component B at 10:1 by weight, under the conditions of 23±2°C and the R.H. of 50±5%				
Item	Standard	Result	Test method	
Resistance to flow, mm	Vertical	≤3	0.8	
	Level	No distortion	No distortion	
Application Time, 30min ,S	≤10	4.8		
A:B=10:1, Under the conditions of the 23±2°C and the R.H. of 50±5%, after 7days of curing:				
Item	Standard	Result	Test method	
Durometer hardness (Shore A)		45	GB/T1531	
Tensile strength , MPa	MPa	0.8	GB/T113477	
Permeation rate of evaporation (g/m2.d)	≤15	8	GB/T11037	
GB/T113477		25HM	JC/T1486	

#### Packing

CNC-998 Polysulfide sealant is available as:

Packing 1: Component A: 300kg/ steel drum    Component B: 30kg/ steel drum

Packing 2: Component A: 30kg/ steel drum    Component B: 3kg/plastic pail

### Shelf Life Storage

When stored at or below 27°C in the original unopened containers, this product has a shelf life of 12 months from the date of production.

### Precautions

Avoid direct contact with food and cosmetic.

Avoid prolonged skin contact with uncured sealant.

The uncured sealant should not contact with eyes and mouth. If sealant gets into eyes, flush with water. See physician if necessary.

Ensure good ventilation if used indoor.

Keep out of reach of Children.

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Product 1]CNC EVA INERLAYER FOR ARCHITECTURAL LAMINATED GLASS

Product 2]CNC PDLC SMART FILM FOR PRIVACY SWITCHABLE GLASS

Product 3]CNC PVB INTERLAYER FOR AUTOMOTIVE WINDSHIELD GLASS

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