

ZJ-900 MSALL Sealant

Description

ZJ-900 MSALL Sealant is one component, primer less, can be painted, high quality joint sealant based on MS polymer technology, ideal for all sealing and bonding on all materials. It is solvent free, environmental protection product.

Characteristics

- a. Friendly to user and environment: no solvent, halogens, isocyanates, odorless
- b. Can be painted
- c. Easy to use at a wide range temperature, even in damp environment
- d. High bonding strength, special for porous material, smooth and wet surface
- e. Excellent weather proofing ability
- f. Fast cure even at low temperature
- g. Permanent elasticity after cure
- h. Neutral curing, no pollution for stone, concrete

Where to use

ZJ-900 is widely used as followings:

- (1) Sealing and bonding in housing area, bus, train, elevator, air conditioner, ventilation equipment.
- (2) Used for installing fixed panel frame, windowsill threshold, and suitable for sealing on all materials surface, like painted metal, glass, wood, concrete, marble, natural stone, granite, bricks, mirrors, aluminum, steel, lead, zinc, common plastics, polystyrene, polyurethane and so on.
- (3) Sealing the joint of ceiling, timber, gaps of water pipe, gutter on roofs, moved rooms, container, marine.
- (4) Apply for interior and exterior family decoration, like floor adhesive systems, particular for laying floor tiles.
- (5) Mildew proofing, suitable for kitchen, bathroom

Notice: It is not suitable for PE, PP, and Teflon.

Technical data (for reference)

The following data is for reference and is not suggested to make standard.

Item	Test result	Test method
Curing mechanism	Humidity curing	
Density (g/cm ³)	1.40±0.05	GB/T13477.2-2003
Resistance to flow (mm)	0	GB/T13477.6-2003
Tack free time (mins)	20-60	GB/T13477.5-2003
Curing rate (mm/24h)	3	
Curing time, at 50±5% RH and temperature 23±2℃, days	3-14	
As Cured –After 21days at 50±5% RH and temperature 23±2℃ :		
Share-A-hardness	20-45	GB/T531-1999

Adhesion at 60% elongation	No break	GB/T13477.8-2003
Ultimate elongation (%)	200-600	GB/T528-1998
Strength at break (MPa)	≥ 1.8	GB/T528-1998
Tear strength (N/mm)	≥ 7	GB/T529-1999
Pollution	No pollution	JC/T881-2001

Packing

300ml plastic cartridge

Colors

Standard color: black, white and grey.

We can also supply the other color according to the customer's requirement.

Storage

It has a useable life of 12 months from the produced date when stored under dry and airy, 27°C or lower temperature conditions in the original unopened container.

Application

Surface preparation

Clean all dirty, dust, loose particles by steel brush and clean all oily things with cleaning agent. All former adhesive must be cleaned out by scraping, paring, friction, jet of strong air or suitable ways. Make sure the surface be clean, free of dust and grease

Priming

Commonly it is no need of primer. In case the adhesion test requires primer, put Zhijiang primary coat on a white cloth without flock-off, then wipe the surface of the basic material. After the primary coat dry, apply the sealant.

Spreading

Spread the sealant on base material with enough pressure and thickness not less than 1 millimeter if for bonding. If it is used for sealing, extrude the sealant full of the joint. And then leave to cure.

Paintable Property

It could be painted after dry with traditional method like epoxy or acrylic paints. The adhesive surface will take place reaction and soften if using high solvent content coating like luster enamel or high oily base coatings.

Coating should have similar tensile strength compared with adhesive in order to get best appearance and property. Painting could be processed after 24 hours if thickness of adhesive is less than 3 mm. Another, painted after 48 hours if thickness more than 3mm.

Handling Precautions

1. Not contact sealant with food or cosmetics;
2. Not contact skin for long time about uncured sealant;
3. Rinse eyes with large quantities of water and seek medical check if sealant drops into eyes.
4. Not put sealant out of children