

# CWC®SMART SEALANT PU

## Singal Component Polyurethane Sealant

### Description

CWC®SMART SEALANT-PU V1 is a high performance, single component, moisture curing, polyurethane sealant ideally suited for a number of construction applications in horizontal (self-leveling, type-S) and for Vertical construction (non-sag, type –NS).

### Advantages:

- Quick initial cure to minimize down time
- Resistant to wide range of chemicals, water, U.V., oils and solvents.
- Excellent tensile strength and elongation
- Strong adhesion and strong expansion capacity
- Excellent weather resistance
- Environmentally non-toxic
- Non-staining and Economical.
- No Mixing Required

### Domains of application

- Metal frame circumference sealing
- Sealing waterproof
- Caulking agent
- Water stop
- Various joint sealing of concrete structures
- Repairing of cracks
- Joint sealing of roads and factory floors.

### Standard Compliance

**SMART SEALANT PU** conforms ASTM C920, Type S, Grade NS, Class 25

### Product Characteristics

<b>Form</b>	Paste
<b>Specific Gravity@ 30°C</b>	1.4± 0.1
<b>Curing method</b>	Moisture cure
<b>Tack free time</b>	~6 hrs.
<b>Full cure</b>	7 days
<b>Joint movement accommodation</b>	±25%
<b>Hardness, Shore A</b>	~40
<b>Elongation, %</b>	>500%

### Application instructions

#### Method Of Application

#### Joint Design

The maximum permanent expansion must not be more than  $\pm 25\%$  of the joint width. For joints below 12mm width the permanent joint movement must not be more than  $\pm 20\%$ .

#### Joint Preparation

Pretreatment. The product should be applied to a dust-free concrete surface.

Incision. Please use a knife to cut off the corresponding part of the front end of the plastic nozzle, then pierce the film with a thin wire. And shake around the hole, please do not pierce repeatedly, otherwise it will make the film scraps mixed into the squeeze out of the plastic, affecting the construction quality.

Conservation and curing. In order to ensure the adhesion of polyurethane sealant, please ensure enough conservation time. It will takes no more than 24 hours of sealant surface hardening after construction. You can get on the next concrete pouring when the sealant surface hardening completely reach the touch dry.

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Treatment after soaking. If it takes a long time from the construction of polyurethane sealant to the next pouring concrete, please pay attention to protect the sealant from soaking. If it is unlucky to be soaked and peeled off, you must repair it before pouring. The specific method of operation is: first use nails to fix the peeled sealant, remove the stagnant water, then remove the peeled sealant, and re-construction at last.

Construction notes. Due to the swelling pressure created during expansion, and it must be installed at a minimum of 100 mm (4") from each side of the joint. In addition, if you need to extrude the sealant in different times, its lap length should be not less than 20 mm (1").

**Shelf Life:** If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 6 months. If stored in high temperature and high humidity locations, the shelf life may be reduced

#### Pack Size

300ml, 600ml Sausage

#### Precautions

- SMARTSEALANT PU Preferably to be store in sealed conventional containers, protected from extreme weather conditions.
- Clean all tools and application equipment with solvent before it set. Clean immediately after use. Hardened / cured material can only be mechanically removed.

#### Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on [www.cwcchemicals.com](http://www.cwcchemicals.com)

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