



# CWC®SMART SEALANT PS

## Polysulfide Based Elastomeric Joint Sealant-Road Grade

### Description

**CWC®SMARTSEALANT PS** Grade is a high performance, self-leveling, chemical resistant elastomeric joint system. Due to its high polysulfide polymer content, it is resistant to many chemicals, shrinkage, aging, thermal stress and the effects of outdoor exposure. It is highly resilient and has excellent recovery characteristic after extended period of compression or elongation.

### Specification

BS – 5212 : 1990 – Type FB (Fuel and Flame resistant) for cold applied joint sealant system for rigid pavements, (Ministry of Road Transport and Highways (MORTH) specification for road and bridge work clause 602.2.8 and clause 602.11.4 state that cold applied two part polysulfide sealant shall meet BS – 5212 : 1990.)

### Joint Size Suitability

Joint width	: Minimum - 6 mm
Maximum	: 50 mm
Design Joint width	: Floor Joint : Expected movement X 4.33
Joint Dept	: Porous surface : >12mm
	Maximum : 25 mm
Width to depth ratio	1:1 for floor joints
Movement factor	Floor joint : 30%

### Typical Properties

Curing time	: 7 days at 20°C
Colour	: Grey
UV Resistance	: Good
Weatherability	: Good
Chemical resistance	: Resistance to most alkalis & dilute acids, petrol, diesel or jet fuel and many solvent and vegetable oils.
Flammability	: Flame and Fuel resistant as per BS specification
Service temperature	: -40°C to +80°C

### Domains of Application

- Concrete Roads and Highways
- Rigid Pavements in Airports
- Potable water retaining structure
- Floor joints in building
- Bridges

### Method of Application

#### Priming

Primer ordering quantity estimation : Approx. 60 meters per 250 ml tin (Depends on joint size) Apply **CWC®SMARTSEALANT PS** - Road Grade porous primer on surfaces as follows : Brick, concrete, natural stone, stained timber frame, glazed tile (unglazed edge)

#### Application Instruction

Joint surface to be applied should be clean dry and free from loose material, dust oil or grease. Apply appropriate quantity of **CWC®SMARTSEALANT PS** - Road Grade porous primer. Empty out the curing agent sachet in to the base in the can. Use a slow speed drill machine / mixer fitted with a spiral stirrer and mix for 10 minutes. The product is ready to be used when you get a uniform smooth paste without any streak of grey or white colour. Install a backer rod in the joint to be applied with sealant. Pour or gun (with a conventional cauling gun) the mixed sealant in the prepared joint. Sealant will get leveled in the joint. Please refer detail Sealant Application Guideline..

#### Packing : 1Kg /4Kg/32Kg Packing

**Shelf life:** 12 months from date of manufacturing in unopened condition

#### Health & Safety :

The curing agent contains Manganese Dioxide. The base is labeled as "Irritant" and curing agent is labeled as "Harmful".

Before use, refer to the Material Safety Data Sheet.

The MSDS is available on [www.cwcchemicals.com](http://www.cwcchemicals.com)

**Concrete Works Construction Chemicals Private Limited (CIN: U74999PN2021PTC199740)**

**Corp. Office:** Office No. 70, Mahavir Center, Fourth Floor, Sector 17, Vashi, Navi Mumbai 400703.

**Reg. Office:** 1471 D.B. House, Office No. F-4, 4<sup>th</sup> Floor, Madhav Nagar Road-EWSD Sangli, 416416

**Email:** [info@cwchemicals.com](mailto:info@cwchemicals.com) | **Web.:** [www.cwchemicals.com](http://www.cwchemicals.com)