

# CCI NEOSEAL PS

## Polysulphide Polymer based Pour grade Sealant

### Description

CCI NeoSeal PS is a high performance, self-leveling, chemical resistant elastomeric joint system. Due to its high polysulphide 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 characteristics after extended period of compression or elongation.

### Advantages

- ✓ Forms a tough, elastic, rubber-like seal.
- ✓ Accommodates continuous and pronounced cyclic movement ( $\pm 25\%$ )
- ✓ Adheres to most common substrates.
- ✓ High resistance to ageing reduces physical damage due to climatic extremes.
- ✓ Easy mixing and application
- ✓ Non-slumping – Can be used in wide joints up to 40 mm wide
- ✓ Safer non-toxic hardener

### Typical Properties

Form	2-component, paste
Colour	Grey
Application life	2 hours @ 25°C
Initial cure	24 hours @ 25°C
Full cure	7 days @ 25°C
Application temperature	5°C to 50°C
Density	1.65 to 1.75 kg/L
Non-volatile content [%]	> 97
Operating temperature, °C	-30 to +100
Chemical resistance	Resistance to most alkalis and dilute acids, petrol, diesel or jet fuel and many solvent and vegetable oils
Flammability	Flame and Fuel resistant as per BS specification
Pot life	90 minutes @ 30°C
Service temperature, °C	-40 to +80

### Technical Characteristics

Mixing Ratio	Part A: Part B, 92: 8 (by weight)
Tack free time, BS 5212:1990	16 $\pm$ 0.1 hours
Elongation at break, %, ASTM D412	450 $\pm$ 50
Tensile Strength, kg / cm <sup>2</sup> , ASTM D412	2
Adhesion bond strength 2.5 cm (cohesive failure), BS 5212 (Part 3)	18
Shore A Hardness, ASTM D 2240	10 $\pm$ 2

### Service life & Maintenance

Anticipated life: 20 years +

Correctly applied, the sealant should not require maintenance. However, sealant that has become damaged can be replaced by cutting out the affected area, cleaning and priming the joint surfaces and applying fresh sealant as in the original manufacturer's specification.

### Priming

#### Primer Ordering Quantity Estimation

Approximately 60 m/250 mL tin (Depends on joint size).

Apply NeoSealant primer on surfaces as follows:

- ✓ Brick
- ✓ Concrete
- ✓ Natural Stone
- ✓ Stained Timber Frame
- ✓ Glazed Tile (Unglazed edge)

## Application Instructions

### Mixing

Mix and use immediately one complete unit at a time.

The joint surface to be applied should be clean, dry, and free from loose material, dust oil or grease. Apply appropriate quantity of NeoSealant primer. Empty out the curing agent sachet into 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 caulking gun) the mixed sealant in the prepared joint. Sealant will get leveled in the joint.

### Packaging

4 × 4 kg in a carton and 4 × 6 kg in a carton.

### Shelf life

12 months from the date of manufacturing in unopened conditions.

### 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 (MSDS). The MSDS is available on [www.ccichemicals.in](http://www.ccichemicals.in) or contact us at [info@ccichemicals.in](mailto:info@ccichemicals.in).

Registered Office	Regional Office	Chennai Plant	Mumbai Plant
Office No. 210 Shah Heritage Commercial CHS Plot No. 9, Sector 48, Seawood Navi Mumbai – 400 706 Maharashtra, India Mobile: +91 93247 27785 E-mail: <a href="mailto:kashinath.bera@ccichemicals.in">kashinath.bera@ccichemicals.in</a>	'LAKSHMAN MANERE' Old No. 17/2, New No. 42/2, R Block 6 <sup>th</sup> Main Road, Anna Nagar West Chennai – 600 040 Tamilnadu, India Mobile: +91 98400 73183 E-mail: <a href="mailto:durai.murugan@ccichemicals.in">durai.murugan@ccichemicals.in</a>	No. 1, Perumal Koil Street Azhinjivakkam Sriperumpudhur Thiruvallur – 602 105 Tamilnadu, India	Plot No. A-51 Taloja Industrial Area MIDC, Taloja Navi Mumbai – 410 208 Maharashtra, India