

CCI NEOSEAL GS

Polysulphide Polymer based Gun grade Sealant

Description

CCI NeoSeal GS is a high performance, non-sag, 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 suitable for use within the construction industry on all parts where above average repeated movement is encountered over a wide temperature range.

Recommended Uses

- ✓ Expansion joints in buildings
- ✓ Concrete panels
- ✓ Potable water retaining structure
- ✓ Bridges

Typical properties

Curing time	7 days @ 20°C
Colour	Grey
UV resistance	Good
Density	1.6 to 1.75 g/cc @ 30°C
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
Service temperature	-40°C to +80°C
Pot life	90 minutes @ 30°C
Paintability	CCI NeoSeal GS can be painted over (however, excessive joint movement may cause the paint to crack and could induce tears in the sealant)

Specifications

Meets BS 4524:1983 and IS 1218.

It also meets the requirement of BS-6920. (Sealant for use in contact with potable water) and WRC – for use in potable water (Grey).

Joint Size Suitability

Joint width

Minimum	6 mm
Maximum	25 mm in single application
Maximum	50 mm in multiple applications

Design Joint width

Butt Joint	Expected movement × 4.33
Lap Joint	Expected movement × 2

Joint depth

Porous surface	> 10
Floors	> 12 mm
Non-porous	> 6 mm
Maximum	> 25 mm

Width to depth ratio

2:1 for butt joints
1:1 for lap/floor joints

Movement factor

Butt Joint	30%
Lap joint	50%

Service life and 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 Instruction

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. **NeoSeal GS** can be applied by a conventional sausage gun or caulking gun with the help of cartridge. After application, tool the sealant with a spatula to get a smooth finish.

Packaging

24 × 1 kg in a carton and 4 × 4 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 or contact us at 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: kashinath.bera@ccichemicals.in	‘LAKSHMAN MANERE’ Old No. 17/2, New No. 42/2, R Block 6 th Main Road, Anna Nagar West Chennai – 600 040 Tamilnadu, India Mobile: +91 98400 73183 E-mail: durai.murugan@ccichemicals.in	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