

# HIGHSEAL PS SEALANT

Pour Grade Polysulfide Sealant – RG



## PRODUCT DESCRIPTION

Highseal PS Sealant is a high performance, self-leveling, chemical resistant elastomeric joint system based on polysulfide polymer. 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.

## USES

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

## FEATURES & ADVANTAG

- Form a tough, elastic, rubber-like seal.
- Accommodates continuous and pronounced cyclic movement (+/- 25%).
- Adheres to most common substrates.
- High resistance to ageing reduces physical damage due to climate extremes.
- Easy mixing and application.

## 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 & priming the joint surfaces and applying fresh sealant as in the original manufacturer's specification.

## PRIMING

**Primer ordering quantity estimation:** Approx. 60 meters per 250 ml tin (Depends on joint size). Apply 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 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.

#### TECHNICAL SPECIFICATION

Appearance	Homogeneous smooth paste
Curing time	7 days at 20°C
Colour	Grey
UV Resistance	Good
Weatherability	Good
Chemical resistance	Resistance to most alkalies & 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
Shore A Hardness after 7 days	10 to 15
Application Temperature	5-50°C
Mixing ratio by weight	92: 8
Specific Gravity at 25°C Mixed	Approx. 1.75
Pot life at 25°C	1-2 hrs. at 25°C

#### PACKING & SHELF LIFE

5 Kg Packing. Shelf life is 12 months from date of manufacturing in unopened condition.

#### CAUTIONS

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

For further information please refer to MSDS or contact Technical Service Department.

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