



URJA SEALANTS PRIVATE LIMITED

Technical Data Sheet

URJA PS-70G

Gun Grade Polysulfide Sealant

TDS No : SR3-T-06, Date :Nov. 2015

URJA PS-70G is a high performance, non sag, 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 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



Specification: Meets BS – 4254: 1983 and IS – 12118

It also meets the requirement of BS-6920. (Sealant for use in contact with potable water) and WRC – for use in potable water (Grey). Polysulfide sealant shall meet BS – 5212: 1990.)

Joint size suitability:

<u>Joint width</u>	<u>Design Joint width</u>	<u>Joint Depth</u>	<u>Width to depth ratio</u>
Minimum - 6 mm	Butt Joint : Expected movement X 4.33	Porous surface : >10 mm	2 : 1 for butt joints.
Maximum – 25 mm in single application	Lap Joint : Expected movement X 2	Floors : > 12 mm	1:1 for Lap / floor joints
Maximum 50 mm in multiple applications		Non Porous : > 6 mm	<u>Movement factor</u>
		Maximum : 25 mm	Butt joint : 30%
			Lap Joint : 50%

Typical Properties:

Curing time : 7 days at 20°C
Colour : Grey
UV Resistance : Good

Chemical resistance : Resistance to most alkalies & dilute acids, petrol, diesel or jet fuel and many

solvent and vegetable oils.

Flammability : It will not readily ignite when exposed to flame, hence it does not constitute a fire Hazard

Service temperature : -40°C to +80°C

Paintability : It can be painted over (However excessive joint movement may cause the paint to crack and could induce tears in the sealant)

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 (Depend on size of Joint)

Apply URJA PP 110 porous primer on surfaces as follows : Brick, concrete, natural stone, stained timber frame, glazed tile (unglazed edge)

Packing and shelf life: 24 x 1 kg in carton, 4 x 4 kg in carton. Shelf life is 12 months from date of manufacturing in unopened condition

Application instruction:

Joint surface to be applied should be clean dry and free from loose material, dust oil or grease. Apply appropriate quantity of URJA PP 110 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. URJA PS-70Gsealant 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. For detail please refer Sealant Application Guideline

Health & Safety:

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

Note:

The company's products are sold subject to the Company's standard terms and conditions of sale. Products are warranted against defective materials and workmanship. The company makes every effort to ensure that all the information, recommendations or the specifications provided by it are accurate and true. However as the company has no control over the conditions of use, it cannot accept any liability, either directly or indirectly regarding the usage of its products. Product specifications are subject to change without prior intimation to users as the products are being continuously upgraded.