

## PRODUCT DESCRIPTION

**STARFIX PS PG 100** 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.

## BENIFITS

- 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 nontoxic hardener

## USES

**STARFIX PS PG 100** is suitable for use within the construction industry on all parts where above average repeated movement is encountered over a wide temperature range.

## TECHNICAL DATA SHEET

<b>Form</b>	2 components, paste
<b>Colour</b>	Grey
<b>Application life</b>	2 hours @ 25°C
<b>Initial cure</b>	24 hours @25°C
<b>Full cure</b>	7 days @ 25°C
<b>Application temperature</b>	5 - 50°C
<b>Density</b>	1.65 gm/cc
<b>Non volatile content</b>	> 97%
<b>Operating temperature</b>	-30 to + 100 °C
<b>Chemical resistance</b>	Resistance to most alkalis & dilute acids, petrol, diesel or jet fuel and many solvent and vegetable oils.

<b>Flammability</b>	Flame and Fuel resistant as per BS specification
<b>Service temperature</b>	-40°C to +80°C

## METHOD OF APPLICATION

- 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 in to the base in the can.
- Mix and use immediately one complete unit at a time.
- 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 color.
- 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.

## COVERAGE

To estimate the no. of running meter work done in1 kg of PS PG 100 required to seal the join can be very easily estimated by using the following formula:-

$$\text{PS PG 100 L/KG} = \frac{625}{(W \times D)}$$

Where, L = Length of the joint in linear running Meter  
W= Width of the joint in mm.

D = Depth of the joint in mm.

## STAR SPECIALTIES POLYMERS PVT. LTD.

Survey No 52/3 & 54/6-D, Daman Industrial Estate, Village - Kadaiya, Nani Daman, Daman – 396210  
Ph: 91-9712925770, <http://www.ssplchem.com>, Mail: [info@ssplchem.com](mailto:info@ssplchem.com)

**KSA**

Tel. +996 12 677 7073

Email: - [kasa@star-uae.com](mailto:kasa@star-uae.com); web: - [www.star-uae.com](http://www.star-uae.com)

**UAE**

Tel. +971 6 5611411

Email: - [uae@star-uae.com](mailto:uae@star-uae.com) web:- [www.star-uae.com](http://www.star-uae.com)

### 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.

### 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

### SHELF LIFE & STORAGE

12 months unopened containers when kept in dry conditions at a temperature between 5°C to 30°C. Storage at cool dry place under shed away from heat.

### AVAILABLE PACKING

Available in 1kg,4kg containers

### WARRANTY

The information given is based on our knowledge and performance of the material. Every precaution is taken in the manufacture of the product and our responsibility is limited to the quality of supplies with no guarantee of the results in the field, as manufacturer has no control over site conditions or execution of work.

### DISCLAIMER

The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

## STAR SPECIALTIES POLYMERS PVT. LTD.

Survey No 52/3 & 54/6-D, Daman Industrial Estate, Village - Kadaiya, Nani Daman, Daman – 396210  
Ph: 91-9712925770, <http://www.ssplchem.com>, Mail: [-info@ssplchem.com](mailto:-info@ssplchem.com)

**KSA**

Tel. +996 12 677 7073

Email: - [k-sa@star-uae.com](mailto:k-sa@star-uae.com); web: - [www.star-uae.com](http://www.star-uae.com)

**UAE**

Tel. +971 6 5611411

Email: - [uae@star-uae.com](mailto:uae@star-uae.com) web:- [www.star-uae.com](http://www.star-uae.com)