



# ULTRA POLYSULPHIDE PG

## Two Component Self-leveling Polysulphide Sealant

Admixtures

Surface Treatments

Protective Coatings

Concrete Repairs

Industrial Flooring

Grouts & Anchors,

Adhesives,

Water Proofing

Sealants

### Description

Ultra Polysulphide PG is a cross linking polysulphide based elastic sealant for horizontal expansion joints. Suitable for use in hot and tropical climatic conditions.

### Note:

For vertical application use additional filler in it (Three Component)

### Use

It is used in horizontal joints in many types of buildings and civil engineering constructions such as:

- Expansion joints in floors
- PQC joints, precast concrete elements
- Bridge deck joints
- Reservoirs
- Vacuum dewatered floor joints/groove sealing, crack repairing.
- Horizontal trafficable joints, airport runways, car park, roads and culverts
- Wherever a permanently flexible horizontal seal is required.

### Product Information

Composition	Cross Linking polysulphid
Color	Paste, grey
Density	~1.60 Kg/l
Solid Content	100%
Shore A Hardness	~20
Movement Capability	+/-25%
Service Temperature	-20 °C min. /+80 °C max.

Mixing Ratio	Part A : Part B 95:5 (By weight)
Ambient Air Temperature	+5 °C min./ +50 °C max
Substrate Temperature	+5 °C min./ +50 °C max
Pot Life	~2 h at 25°C
Curing Time	1 Week
Substrate Moisture Content	Dry joint with sound concrete edge. For joints under wet conditions, use Ultra Primer-60

### Application Introduction

#### Substrate Preparation

All surfaces must be clean, dry and free from any loosely adhering particles.

Check the joints edges for soundness and if found weak cut recess and fill up with suitable repair mortar (consult Ultra Technical department). Correct joints depth can be established by inserting closed cell polyethylene backing rod tightly into the joints. When the joints have been filled with fiber filled board, this must be raked back to the required depth. Use bond breaker tape over the backer material. Protect surfaces with masking tape.

#### Priming

Ultra Polysulphide PG should be used as a primer only on two sides of the joints. The flash off time is minimum 30 minutes and maximum 3 hours.

### Priming

Add component B into the bigger component A pail. Mix the product thoroughly with a mixing paddle fitted to an electric hand drill (4 L packing) and hand held paint or grout electric mixer (15 L packing) not exceeding 500rpm to avoid entrapping air. Mix for approximately 5 minutes until a smooth, even consistency is achieved.

### Application Method/Tools

Where required, protect the surface with masking tape. The properly mixed material can be poured directly into joints, Remove masking tape.

### Cleaning of Equipment

Clean all tools and application equipment with Ultra cleaner immediately after use. Hardened /Cured material can only be mechanically removed.

### Important Consideration

Do not use in contact with drinking water or food.

Pourable grade Ultra Polysulphide PG is used only in case of horizontal joints. Sealant joints movement should not exceed +/-25% of the joint width when installed in a width to depth ratio 2:1.

Ultra Polysulphide PG is chemical resistant (Occasional spillages) to diluted acids, diluted alkalis, aviation fuel, kerosene, lubrication oil, skydrol and white spirit.

Ultra Polysulphide PG is not chemical resistance to chlorinated solvent, aromatic solvent and diluted oxidizing acids.

Ultra Polysulphide PG must be fully cured before permanent immersion in water.

Paint compatibility with sealant



# ULTRA POLYSULPHIDE PG

## Two Component Self-leveling Polysulphide Sealant

should be checked prior to painting.

### Basis of Product Data

All technical data stated in this data sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

### Local Instructions

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country, Consult the local product data sheet for the exact product data and use.

### HEALTH AND SAFETY:

Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist. This product is flammable. Keep away from sources of ignition. Do not smoke.

### CLEANING:

Clean equipment with Xylene, Toluene or equivalent solvent cleaner. If work stoppage happens, then all material must be cleared out as to not allow product to set within equipment.

### STORAGE:

Minimum 1 years when stored in original unopened containers at 41°F (5°C) to 113°F (45°C).

### Ecology, Healthy and Safety

For information and advice on the safe handling, storage and disposal of chemical products,

users shall refer to the most recent safety data sheet (SDS) containing physical, ecological, toxicological and other safety-related data

### Packing

5 Ltr, 15 Ltr

### Storage

Ultra Polysulphide PG has a shelf life 12 months from the date of production if it is stored is undamaged, original, Sealed packing, and if the storage conditions are met.

**WARRANTY:** The Ultra Chemicals, LLC. ("Ultra") solely and expressly warrants that its products shall be free from defects in materials and workmanship for 12 months from the date of purchase. Unless authorized in writing by an officer of Ultra, no other representations or statements made by Ultra or its representatives, in writing or orally, shall alter this warranty. **U L T R A M A K E S N O W A R R A N T I E S, I M P L I E D O R O T H E R W I S E, A S T O T H E M E R C H A N T A B I L I T Y O R F I T N E S S F O R O R D I N A R Y O R P A R T I C U L A R P U R P O S E S O F I T S P R O D U C T S A N D E X C L U D E S T H E S A M E.** If any Ultra product fails to conform to this warranty, Ultra will replace the Product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Ultra does not authorize anyone on its behalf to make any written or oral statements which in any way alter Ultra's installation information or instructions in its product literature or on its packaging labels. Any installation of Ultra products which fails to conform to such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Ultra's products for the Buyer's intended purposes.



**ULTRA CHEMICALS, LLC. USA**

325 Conway, Hill Road, MO, 63901, USA. Ph: 573-429-1105  
info@ultra-chemicals.com, www.ultra-chemicals.com - www.ultragroup.pk

