



Ultra Polysulphide GG

Two Component Gun Grade Polysulphide Sealant

Admixtures

Surface Treatments

Protective Coatings

Concrete Repairs

Industrial Flooring

Grouts & Anchors,

Adhesives,

Water Proofing

Sealants

DESCRIPTION

Ultra Polysulphide GG is a cross linking polysulphide based elastic sealant for vertical and horizontal expansion joints.

Suitable for use in hot and tropical climatic conditions.

USES

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

- Retaining walls
- Underpasses and tunnels
- Reservoirs
- Precast concrete elements
- Bridges
- High- and low-rise buildings and
- Wherever a permanently flexible seal is required

CHARACTERISTICS / ADVANTAGES

- Easy to use
- Economical
- Excellent adhesion with many materials
- Non- sag in vertical and overhead joints
- Good chemical resistance
- Permanently elastic ? Good weather resistance

SUSTAINABILITY

VOC content <35 g/L (less water) US EPA24

PRODUCT INFORMATION

Composition	Cross linking polysulphide
Packaging	Ready to mix packing. 2.5 L (Comp. A + Comp. B) 4.0 L (Comp. A + Comp. B)
Colour	Paste, grey
Shelf life	Ultra Polysulphide GG has a shelf life of 12 months from the date of production, if it is stored in undamaged, original, sealed packaging, and if the storage conditions are met.
Storage conditions	Ultra Polysulphide GG shall be stored in dry conditons, where it is protected from direct sunlight and at temperatures between 5 °C and 30 °C.
Density	~1.58 kg/l
Solid content	100 %

APPLICATION INSTRUCTIONS

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. Correct joint depth can be established by inserting closed cell polyethylene backing rod tightly into the joint. 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.



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PRIMING

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

TECHNICAL INFORMATION

Shore A Hardness	~25	(ASTM C 661)
Movement Capability	+/-25 %	(ASTM C 719)
Service Temperature	-20 °C min. / +80 °C max.	
Mixing Ratio	Part A: Part B = 96 : 4 (by weight)	
Ambient Air Temperature	+5 °C min. / +50 °C max.	
Substrate Temperature	+5 °C min. / +50 °C max.	
Substrate Moisture Content	Dry joint with sound concrete edges. For joints under wet conditions, use Ultra Primwe	
Pot Life	h at 25 °C	
Curing Time	week	

MIXING

The product is packed in a 2.5 litre tin, containing the base and curing agent, ready to mix in the appropriate ratios. Mix the product thoroughly with a mixing paddle fitted to an electric hand drill not exceeding 500 rpm 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. To place, load the mixed sealant directly into bulk or caulking gun or using a follower plate loading system. Install the sealant into the joint without trapping air with consistent pressure to force the sealant into the joint. Tool-off with a spatula to form slightly concave profile. Remove masking tape.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with proper Cleaner immediately after use. Hardened / cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

Do not use in contact with drinking water or food.

- Gun grade Ultra Polysulphide GG is gun-applied 2-part polysulphide sealant which is used both for horizontal and vertical joints. Sealant joint movement should not exceed +/-25 % of the joint width when installed in a width to depth ratio of 2: 1.
- Ultra Polysulphide GG is chemical resistant (occasional spillages) to diluted acids, diluted alkalis, aviation fuel, kerosene, lubrication oils, skydrol and white spirit.
- Ultra Polysulphide GG is not chemical resistant to chlorinated solvents, aromatic solvent and diluted oxidizing acids.
- Ultra Polysulphide GG must be fully cured before permanent immersion in water.
- Paint compatibility with sealant should be checked prior to painting.



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