

LOW VISCOSITY MOISTURE TOLERANT EPOXY INJECTION RESIN AND CRACK SEALER



Seal Grout 55 LP



AVAILABLE
HERE **20 KG.**

AVAILABLE
HERE **10 KG.**

LOW VISCOSITY EPOXY GROUT

ABOUT PRODUCT

Description:

Sealgrout-55 LP is a two part , low viscosity , moisture insensitive injection liquid, based on high strength epoxy resin specifically formulated for dry or damp crack sealing. Suitable for use in hot and tropical climatic conditions. Confirms to ASTM C881, Type II and IV, Grade-1, Class F.

Product for Uses:

- To repair cracks by injection in structural concrete in slabs, columns, beams, walls, foundations, etc.
- For surface treatment of cracks in interior and exterior slabs.
- For roof slabs, parking lots and structures exposed to pedestrian and vehicular traffic.

Characteristics / Advantages:

- Solvent-free
- Usable at high temperatures
- High mechanical strengths
- Hard but not brittle
- Injectable with single component pumps
- Suitable for both, dry and damp conditions
- Shrinkage free hardening
- High bond strength even in wet cracks
- Low viscosity

Technical Data Description:

Colour	Brown
Mixed ratio	Comp A: Comp B = 2:1 (by wt)
Viscosity at 25 °C (ASTM D 1084)	250 cps
Pot life	Approximately 45 minutes at 25 °C
Density	1.07 to 1.1 kg/lit (Mixed)
Compressive Strength at 25 °C (ASTM D 695)	≥70 N/mm ² in 7 days.
Tensile strength at 25 °C (ASTM D 638)	≥50 N/mm ² in 7 days.
Slant Shear Bond Strength (ASTM C 882)	≥ 10 MPa in 14 days.
Flexural Strength (BS 6319, Part 4)	55 MPa in 7 days
Shrinkage (ASTM C 881)	Practically no shrinkage.
Chemical resistance	Chemically resistant to wide range of chemicals and oils.
Full Curing Time	7 days at 25° C



Substrate Preparation:

Sound, clean, free from oil and grease and surface treatments etc.

Pre-treatment for a strong bond:

Concrete, mortar, and stone should be completely prepared using high-pressure water jetting or mechanical methods such as grinding, chiselling, and so on. Dust must be removed from cracks using compressed air.

Mixing:

Part A: Part B = 20: 10 (by weight)

Pre-Batched Packing:

Part B should be added to Part A. Mix on low speed (maximum 250 rpm) for at least 3 minutes using an electric mixer. Avoid the entrainment of air.

Packaging:

Seal Grout is packaged in 1.5 KGS, 15 KGS, 30 KGS Available.

Safety Precautions:

- Avoid contact of the products with the skin and eyes.
- Wear safety glasses, gloves and an overall.
- In case of contact with the eyes : wash with lots of water.

Crack impregnation on horizontal slabs:

Impregnation is applied with a paint brush or roller until the substrate is completely saturated. Pouring mixed Low Viscosity Epoxy Grout (SealGrout 55 LP) in the cracks seals cracks. Cracks to be sealed with thixotropic epoxy putty from the negative side of the horizontal surface. Cracked injection on horizontal/vertical slabs injection Packer/nipples are fitted along the crack line at a 150-250 c/c distance. Thixotropic epoxy putty should be used to close the crack mouth. Injection pumps or Hand Pumps can be used to inject mixed SealGrout 55 LP Low Viscosity Epoxy Grout under pressure through injection ports. When injection resin flows from the next injection port, the first one is shut and the injection process is restarted from the next port. For horizontal cracks, the injection should begin at any of the ends and continue until the final port is utilised. Injection should begin at the lowest port and go higher for vertical cracks.

The injection ports, as well as the sealing materials between the ports, are removed once the injection procedure is completed.

Legal Notes:

The information, and, in particular, the recommendations relating to the application and end-use of CrackExperts products, are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with SealExperts recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. the user of the product must test the product's suitability for the intended application & purpose. CrackExperts reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.





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The information in the catalogue was correct at the time of printing.
Crack Expert reserves the right to change specifications for further improvement
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All the information provided in this catalogue contains approximate values.