

# Technical Data Sheet



# Professional Epoxy Grout

*Solvent –Free Three Pack System non- Tainting Impervious  
finish Chemical Resistant Flexible Available in a Range of  
Colours*



Professional Epoxy Grout is a three-part solvent-free tile grout based on epoxy resins and specially selected fillers. Epoxy Grout is suitable for areas under strict hygiene control by providing joints with low permeability to water and liquids. Epoxy Grout is resistant to corrosion, chemicals, and abrasion and is easily cleaned. Epoxy Grout is suitable for use in joints from 2-20mm.

## Larsen Building Products (I) Pvt. Ltd.

Tiles & Stone Adhesive | Grouting | Screeds | Waterproofing | Admixture | Epoxy Flooring

Rajasthan Office : 208, Ganpati Tower, Amrapali Marg, Vaishali Nagar, Jaipur-302 021-Rajasthan  
Head Office : A-1, TST Mansion, Tsimshatsuei Kowloon Hong Kong  
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# TDS of Professional Epoxy Grout

PRODUCT INFORMATION	
Form :	Part A-Liquid; Part-B-Liquid; Part-C-Powder
Standard Colour (s) :	Grey, White, Ivory , Gliter etc.
Hazard Information :	Irritant - Consult Safety Datasheet before use. Contains Epoxies and cement.
Cleaning :	Clean tools, equipments etc. using warm water. Mechanical means are necessary when the product has set.
Packaging:	1kg,5kg component pack in plastic bucket.
Storage Conditions :	Storer in sealed containers in dry conditions, protected from extremes of temperature
Shelf Life :	24 months in unopened manufacture's packaging
APPLICATION INFORMATION	
Mix Proportions :	300ml /1kg
Pot Life :	40-50 minutes @ 20°C
Application Temperature:	5 °C to + 35°C
Joint width :	2-20mm
Time to Traffic :	Light Foot Traffic after 12 hours/ Full Traffic after 24 hours
Coverage:	Dependent on the size of tile, joint width and joint depth. Coverage = $\frac{(L+B) \times W \times D \times 2.0}{L \times B}$ KG /M <sup>2</sup>
	Where : L=length of tile, W width of joint, B= breadth of tile, D=depth of joint, 2.0= specific gravity of grout
	E.g.300x300mm tile 8 mm deep, at 6 mm wide joint Coverage = $\frac{(300 + 300) \times 6 \times 8 \times 2.0}{300 \times 300}$ = 0.64 kg/m <sup>2</sup>
PERFORMANCE INFORMATION	
Abrasion Resistance :	≤ 250 mm <sup>2</sup>
Flexural Strength :	≥ 30MPa
Compressive Strength :	≥45MPa
Shrinkage :	≤1.5mm/m
Water Absorption :	240min ≤ 0.1kg
Classification :	Type RG

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## DIRECTION FOR USE

### PREPARATION

Ensure the tile adhesive is sufficiently cured prior to commencing grouting. Allow 24 hours when using Standard setting adhesives and 2-3 hours when using Larsen Standard fast setting adhesive. Ensure that the joints are clean and dust free.

### MIXING

The 3 components (A,B and filler) are supplied in the correct ratios for use. The liquid components (A&B) should be fully drained into the bucket supplied and mixed thoroughly to a creamy consistency. The filler should then be added gradually while mixing with a slow speed drill and paddle. Ensure the 3 components are fully mixed before grouting. Further water may be added to improve the consistency, but this will affect the final properties of the cured joints. The mixed grout has a working time of 40-50 min depending on temperature and site conditions.

### APPLICATION

Apply the grout to the joints with a grouting trowel, squeegee or sponge, ensuring that the joints are completely filled. Compact the grout in the joints and clean off excess with a damp cloth or sponge as the grouting proceeds. All joint feathering, removal of residue and cleaning must be carried out before the grout has cured, using a clean damp sponge. It is important to change water and regularly clean the sponge. (Note : Foam rubber sponges are not compatible.) In order to achieve flush, wide joints, it is important to apply little or no pressure to the joint surface. Larsen Epoxy Grout will take longer to harden and set at lower temperatures, and should not be used below **5°C**.

### RESTRICTIONS

Variation in the mixing ratio, the use of excessive cleaning water and site conditions may cause a variation in the colour or performance of the grout. Always trial a small area first if there is any doubt over the suitability of either the product or colour. Swimming pools should not be filled for at least 3 weeks after grouting. All tile surfaces should be tested before starting to ensure that colour staining will not occur during grouting. Products will take longer to harden and set at lower temperatures and should not be used below 5°C. All tiling should be carried to current best practice, including British Standard and TTA Guidance documents.

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