LARSEN

TECHNICAL DATA SHEET

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PROFESSIONAL EPOXY GROUT

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.

SOLVENT-FREE THREE PACK SYSTEM
NON-TAINTING
IMPERVIOUS FINISH
CHEMICAL RESISTANT
FLEXIBLE
AVAILABLE IN A RANGE OF COLOURS

TECHNICAL INFORMATION:

PRODUCT INFORMATION	
FORM:	Part A - Liquid; Part B – Liquid; Part C - Powder
COLOURS:	White, Ivory, Grey
HAZARD INFORMATION:	IRRITANT – Consult Safety Datasheet before use. contains Epoxies and cement.
CLEANING:	Clean tools, equipment, etc. Using warm water. Mechanical means are necessary when the product has set.
PACKAGING:	5kg 3-component pack in plastic tub
STORAGE CONDITIONS:	Store in sealed containers in dry conditions, protected from extremes of temperature
SHELF LIFE:	6 months in unopened manufacturer's packaging
APPLICATION INFORMATION	
MIX PROPORTIONS:	Mix parts A&B and add Part C to a uniform consistency
POT LIFE:	40-50 minutes @ 20°C
APPLICATION TEMPERATURE:	+5°C to +30°C
JOINT WIDTH:	2-20mm
TIME TO TRAFFIC: (depending on site conditions)	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^2 Where: L = length of tile, B = breadth of tile W = width of joint, D = depth of joint 2.0 = specific gravity of grout E.g. 300 x 300mm 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^2

TECHNICAL INFORMATION (continued):

PERFORMANCE INFORMATION	Typical Performance to BS EN 13888
ABRASION RESISTANCE:	≤ 250mm^3
FLEXURAL STRENGTH:	≥ 30MPa
COMPRESSIVE STRENGTH:	≥45MPa
SHRINKAGE:	≤ 1.5mm/m
WATER ABSORPTION:	@240 min ≤ 0.1g
CLASSIFICATION:	Type RG

DIRECTIONS 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 fast setting adhesives. 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 Standards and TTA Guidance documents.

For further information consult our Technical Department
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