VERSION: 01

ISSUED: APR 2025

LARSEN

CIVILS & REPAIRS

TECHNICAL DATA SHEET

MULTIGROUT EP

EPOXY POURABLE

25N/MM2 IN 8 HOURS

NON-SHRINK

GOOD CHEMICAL RESISTANCE

FAST, ACCURATE FIXING

Multigrout EP (formerly Largrout EP) is a heavy-duty, non-shrink, pourable, solvent-free, epoxy resin-based grout. It is ideal for fixing bolts, anchors, machine beds, stanchions, etc. or for repairing large cracks or voids. Multigrout EP is suitable for use in both dry and damp conditions, and is suitable for use in areas subject to static and vibrating loads.

mpa essential materials sustainable solutions

SYSTEM CERTIFICATION ISO 9001 SGS

The Concrete Society Established in 1966

SYSTEM CERTIFICATION CERTIFICATION DE SYSTEMES ISO 14001 SGS

For further information, consult our Technical Department.

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LarsenBuildingProducts.com

TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	Fluid Grout
STANDARD COLOUR	Buff / Brown
MAX AGGREGATE SIZE	1.2mm
HAZARD INFORMATION	CONTAINS EPOXIES Harmful / Corrosive – Consult Safety Datasheet before use
CLEANING	Clean tools, equipment, etc. using suitable solvent. Mechanical means are necessary when the product has set.
PACKAGING	5kg packs
STORAGE INSTRUCTIONS	Store in sealed containers in dry conditions, protected from temperature extremes
SHELF LIFE	6 months in unopened manufacturer's packaging

APPLICATION INFORMATION

MIX RATIO	Mix only full packs in proportions as supplied
APPLICATION TEMPERATURE	+5°C to +30°C
POT LIFE	@20°C - 45 minutes @10°C - 2 hours @5°C - 3 hours (do not use below 5°C)
APPLICATION THICKNESS	10-125mm
DENSITY	1850 kg/m^3
YIELD	Approximately 2.5L per 5kg
SHRINKAGE	Negligible
COMPRESSIVE STRENGTH	8hrs = 25MPa Ultimate = 70 MPa
FLEXURAL STRENGTH	>30 MPa
BOND STRENGTH	Greater than tensile strength of concrete (i.e. concrete failure)

DIRECTIONS FOR USE

PREPARATION

All surfaces must be sound, clean, and free from any loose or friable material. Concrete surfaces must be at least 3 weeks old and free of any contamination, including curing membranes or sealers. For maximum bond, mechanically roughen surfaces. Remove all surface water immediately before the application of Multigrout EP. Bolt holes, etc. should be blown clean of any dust, dirt or debris, or standing water. Metal surfaces should be free from rust, grease, oil, or other contamination, for optimum bond strength. Metal surfaces should be grit-blasted. Bolts and anchors should be degreased. Formwork should be constructed to prevent leaks.

MIXING

Mix all the contents of Part A with all the contents of Part B. Add the aggregate (Part C) and again mix well. Mix so as not to entrap air into the product. Mix using a slow-speed drill and paddle, typically for 3 minutes. Allow mixed material to stand for 2-3 minutes to allow air release. Do not mix more grout than can be used in 30 minutes.

APPLICATION

It is recommended as a first stage to grout in any holding-down bolts to ensure they are adequately filled and void-free.
Pour the grout into the shuttered area using a header box so that a suitable head of grout can be maintained. Care should be taken to ensure that there is a continuous supply of mixed grout available as it is important to maintain a continuous flow of grout throughout the pour. Grout should be poured from one side only in such a way as to prevent any air becoming trapped under the plate. Ensure all trapped air is displaced by grout. If necessary, make breather holes and/or use chains or rods to aid flow. When applying Multigrout EP in large areas >50mm thick, the mix may be bulked out with the addition of up to 50% clean, dry, single-sized(4-6mm) pea gravel or silica sand (bulking may reduce flow).

CHEMICAL RESISTANCE

Petrol - unaffected
18% Hydrochloric Acid - unaffected
18% Sulphuric Acid - unaffected
20% Sodium Hydroxide - unaffected

RESTRICTIONS

Poor application procedures can result in voids under the baseplate, which can greatly reduce the Effective Bearing Area. This increases the point loading on the grout and can result in failure. Ambient and substrate temperatures should be above 5°C during application. Freshly grouted areas should be protected from frost until the grout has fully hardened. When ambient or substrate temperatures are below 10°C, allow extra time for the grout material to harden before applying loads, tensioning bolts or removing formwork.