

LARSEN**BUILDERS MERCHANTS****QUICKMIX****TECHNICAL DATA SHEET**

Epoxy Concrete Repair Kit

SOLVENT-FREE 3-PART SYSTEM**WATERPROOF, SEAMLESS FINISH****GOOD CHEMICAL RESISTANCE****UP TO 50MM IN ONE LAYER**

QUICKMIX Epoxy Concrete Repair Kit (ECR) is a three-part, solvent-free, epoxy resin-based topping or mortar, which provides a dense, thin layer floor finish or repair mortar. It can be used as a very effective thin layer repair for degrading floors, either to complete small patch repairs or as a thin layer topping. It is also suitable for repairs to concrete floors, joints, walls, etc. and can be used as a bedding mortar for bridge-bearing pads. Ideal for bonding stone paving into metal recessed covers and more demanding applications.



HA **HARDWARE ASSOCIATION IRELAND**
The voice of the Irish Hardware Industry

For further information, consult our Technical Department.

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TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	3-Part Epoxy Mortar
COLOUR	Light Grey
MAX AGGREGATE	1.2mm
HAZARD INFORMATION	Contains epoxy. Consult Safety Datasheet before use
CLEANING	Clean tools, equipment, etc. using thinners or other suitable solvent. Mechanical means are necessary when the product has set
PACKAGING	5kg Bucket
STORAGE INSTRUCTIONS	Store unopened containers in a dark, cool, dry location away from extremes of temperature
SHELF LIFE	Minimum 24 months in unopened manufacturer's containers

APPLICATION INFORMATION

MIX RATIO	A : B : C approx. 2.2 : 0.8 : 7
APPLICATION TEMPERATURE	+3°C to +30°C
WORKING TIME	Approx. 60 minutes
BED THICKNESS	4 - 50mm per pass
TIME TO TRAFFIC (depending on site conditions)	Light Foot Traffic - after 3 hours Vehicle Traffic - after 12 hours (min.) Full cure - 7 days
YIELD	2.5L (approximately) per 5kg bucket

TYPICAL PERFORMANCE INFORMATION

(Results listed below are from internal reports)

COMPRESSIVE STRENGTH (typical value at 20°C)	1 day - 60 N/mm ² 7 days - 70 N/mm ²
FLEXURAL STRENGTH (typical value at 20°C)	1 day - 27 N/mm ² 7 days - 30 N/mm ²
BOND STRENGTH	> Concrete surface
IMPACT RESISTANCE	Excellent
HEAT RESISTANCE	Water temperatures of above 70°C can soften surface, but this will harden on cooling

DIRECTIONS FOR USE

PREPARATION

All surfaces must be dry, clean, structurally sound, and free from grease, dust, dirt, oil, etc. Mechanically roughen smooth surfaces to provide adequate key. Remove all dust prior to application. The surface should be clean and free from all dust and contamination and sufficiently strong for the intended application.

PRIMING

When priming is required, such as on very porous or absorbent surfaces, Larprime EU should be used (see relevant Data Sheet). Mix Larprime EU by draining total contents of Part B into Part A containers and mix thoroughly (double mixing in a second clean container is recommended). Apply by brush or roller. Should be applied to the primer whilst it is still tacky.

MIXING

Mix Part A and Part B of Epoxy Concrete Repair thoroughly until a uniform colour is achieved, then add Part C (fillers). Mix using mechanical means only, e.g. forced action mixer or slow speed drill and paddle. Always mix full packs.

APPLICATION

Place mixed mortar on the primed surface, trowel mortar firmly into place and compact. Mixed mortar remains usable for 2 hour. Tools and spillages should be cleaned with thinners or other suitable solvent.

RESTRICTIONS

Current best practice and industry standards should always be followed. Read material safety data sheet before use. Ensure adequate ventilation exists. Substrate and ambient temperatures should be between 3 and 30°C. Low temperatures will slow set and strength development; high temperatures will accelerate setting. Epoxy Concrete Repair must only be applied in dry conditions to a dry substrate. While Epoxy Concrete Repair is waterproof when cured it must be used with a suitable proprietary membrane system if it is intended to provide a fully waterproof structure. If in doubt, contact our Technical Department before use.

QUALITY

This product is manufactured in a plant controlled under an integrated management system third party certified to BS EN ISO 9001.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled, and applied in accordance with current best practice, national standards, and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.