VERSION: 01

ISSUED: JULY 2024

LARSEN STREETSCAPE

TECHNICAL DATA SHEET

EPOXY MORTAR (EM)

SOLVENT-FREE THREE-PART SYSTEM

ABRASION & IMPACT RESISTANCE

WATERPROOF, SEAMLESS FINISH

GOOD CHEMICAL RESISTANCE

> 60N/MM2 @ 7 DAYS

UP TO 50MM IN ONE LAYER

Larsen Epoxy Mortar (EM) is a three-part, solvent-free, epoxy resin-based mortar, which provides a dense, thin layer floor finish, repair mortar or thick bed resin adhesive. Larsen EM 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. Larsen EM is ideal for bonding stone paving into metal recessed covers and more demanding applications.

For further information, consult our Technical Department.

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LarsenBuildingProducts.com

TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	3-part epoxy mortar
COLOUR	Light Grey
MAX AGGREGATE	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	10 kg plastic tub
STORAGE INSTRUCTIONS	Store unopened containers in a dark, cool, dry location away from extremes of temperature
SHELF LIFE	Must be used within 12 months of date of manufacture

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 24 hours Vehicle Traffic - after 1-2 days Full cure – 7 days
YIELD	10kg pack will produce approx. 5L of trowelable mortar

TYPICAL PERFORMANCE INFORMATION

(Independent third party test results are pending. Results listed below are from internal reports)

BOND STRENGTH	> Concrete surface
IMPACT RESISTANCE	Excellent
HEAT RESISTANCE	Water temperatures of above 70°C can soften surface, but this will harden on cooling
COMPRESSIVE STRENGTH	7 day approx. 60 N/mm2
FLEXURAL STRENGTH	Approx. 20 N/mm2
POT LIFE	30 - 40 min

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, 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. Larsen EM should be applied to the primer whilst it is still tacky.

MIXING

Mix Part A and Part B of Larsen EM 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 1 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. Larsen EM must only be applied in dry conditions to a dry substrate. While Larsen EM 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.