

# LARCRETE EPOXY MORTAR



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

**SOLVENT-FREE THREE-PART SYSTEM**

**EXCELLENT ABRASION AND  
IMPACT RESISTANCE**

**WATERPROOF, SEAMLESS FINISH**

**GOOD CHEMICAL RESISTANCE**

**>60N/ MM<sup>2</sup> @ 7 DAYS**

**UP TO 50 MM IN ONE LAYER**



## TECHNICAL INFORMATION:

PRODUCT INFORMATION	
FORM:	3 -part epoxy mortar
COLOUR:	Light Grey
MAX AGGREGATE:	2 mm
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 (5kg packs on request)
STORAGE INSTRUCTIONS:	Store unopened containers in a dark, cool, dry location away from extremes of temperature
SHELF LIFE:	Minimum 12 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 - 50 mm per pass
TIME TO TRAFFIC:	Light Foot Traffic - after 1 hour Vehicle Traffic - after 4-6 hours (depending on site conditions) Full cure - 7 days (depending on site conditions)
YIELD:	13 L (approximately) per 25 kg bag
TYPICAL PERFORMANCE INFORMATION	
Independent Third Party Test Results are pending, the results listed below are from our internal reports	
COMPRESSIVE STRENGTH:	7 day – approx. 60 N/mm <sup>2</sup>
FLEXURAL STRENGTH:	approx. 20 N/mm <sup>2</sup>
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, 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. Larcrete EM should be applied to the primer whilst it is still tacky.

### **MIXING**

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