

# TECHNICAL DATA SHEET Version: 02 Issued: Jul 12

# **RAPID PATCH**

Rapid Patch is a very fast setting and drying cementitious patching mortar. It is ideal for internal and external repairs to floors, stairs and steps, and for reconstruction of edges/corners on precast units. Rapid Patch is chloride-free, non-corrosive to reinforcing steel and generally does not require a bonding agent.

## **TECHNICAL INFORMATION**

FORM: Free-flowing powder

**COLOUR:** Light Cement Grey

WET DENSITY: 2000kg/m<sup>3</sup>

BED THICKNESS: up to 25mm

**WORKING TIME:** 10 –15 min @ 20°C

SET TIMES:	<u>@20°C</u>	<u>@10°C</u>
INITIAL:	13 min	17 min
FINAL:	28 min	45 min

MIX PROPORTIONS: 1 L per 5 kg

# TYPICAL COMPRESSIVE STRENGTH:

3hr
24hr
7 day
28day

Air Cured @ 20°C 10 N/mm<sup>2</sup> 20 N/mm<sup>2</sup> 25 N/mm<sup>2</sup> 30 N/mm<sup>2</sup>

**COVERAGE:** Dependent on the nature of the surface and usage. Approx. 1m<sup>2</sup>/12.5 kg @ 6 mm bed.

PROTEIN-FREE 30N/mm<sup>2</sup> FEATHER EDGE LIGHT GREY FOOT TRAFFIC IN 1-2 HOURS



# **DIRECTIONS FOR USE:**

### PREPARATION

The surface should be sound, clean, and free from all dust and contamination. It is important to pre-dampen the substrate and then remove any standing water prior to laying Rapid Patch. Very absorbent surfaces should be primed with one coat of Larsen Acrylic Primer.

### MIXING

Mix only a quantity that can be used within the open time (approx. 15 min). Add 5 kg of powder to 1 L of clean water. Pour the water into a clean bucket and add the powder while stirring until a lump-free, slump-resistant mortar is produced. Small quantities can be mixed by hand; for larger quantities, use a slow speed drill and paddle.

### **APPLICATION**

Smoothing: Ensure the substrate is clean and has been dampened. Trowel onto the substrate and spread to the required depth, feather-edging if necessary. (Apply at a thickness of at least 3mm over large areas.) After 15-20 min, finish the surface with a wet trowel.

<u>Patch Repairs</u>: Ensure the area to be repaired is free from dust and loose material, and has been dampened. Trowel in firmly ensuring the mortar fully contacts the surface. After 15 min, remove excess material and finish the repair with a wet trowel or stiff brush. For isolated thicknesses exceeding 20 mm or for increased economy at > 6 mm, Rapid Patch can be bulked out with suitable 3-6 mm aggregate. For larger repairs up to 50 mm thickness or where strengths >  $30N/mm^2$  are required, use Larcem Quickset.

### RESTRICTIONS

All work should be carried out to current best practice and industry standards. Rapid Patch will take longer to harden and set at lower temperatures, and should not be used below 5°C. Deviation from the recommended water/powder ratios will result in a loss of early and ultimate strength. Rapid Patch is not a final wearing surface, but can be over-coated with most of the Larsen range of surface treatments, adhesives, screeds, etc.

### CLEANING

Clean tools, equipment, etc. using warm water. Mechanical means are necessary when the product has set.

### STORAGE

Rapid Patch should be stored in closed containers protected from damp and extremes of temperature.

### SHELF LIFE

9 months in unopened manufacturer's containers.

### PACKAGING

12.5kg packs.

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. For further information consult our Technical Department BELFAST: 028 9077 4000 DUBLIN: 01 834 8255

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