

ULTRA FLOOR Patch it rapid 45

Technical Data Sheet

Fast Setting, Rapid Drying Mortar

Features

- ◆ Internal and External use
- ◆ Very Rapid Hardening
- ◆ Slump Free/Horizontal & Vertical use
- ◆ Walls & Floors
- ◆ 2-35mm depth
- ◆ Stress Crack & Shrink Resistant
- ◆ Protein Free
- ◆ Ideal to use below DPM

Rapid setting, slump free mortar, for internal/external repairs. Ideal for re-facing internal concrete stair treads, risers, cement/sand screed, concrete floors, patching cracks in walls, ceilings, soffits, forming ramps/coves, making good pipework, doors and window frames.

				
2-35mm Bed Thickness	Open Time 5-10 Mins	Set Time 20-25 Mins	Internal & External Floors	Lifetime Guarantee



Manufactured by **Instarmac® Group plc**
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Fast Setting, Rapid Drying Mortar

INFORMATION

Ultra Floor Patch IT rapid45® is a fast setting, rapid drying, slump free mortar, providing exceptional strength and hardness for both internal and external repairs. Mixed Ultra Floor Patch IT rapid45® repair will have a workability time of approximately 5-10 minutes and will set in approximately 20-25 minutes. Ultra Floor Patch IT rapid45® can be applied to vertical and horizontal repairs and is ideal for:

- Repairing and re-facing internal concrete stair treads and risers, sand/cement screeds, concrete floors.
- Filling/patching cracks in walls, ceilings and soffits.
- Making good around pipe work, door and window frames and also for forming coves.
- Forming ramps up to 35mm.

SURFACE PREPARATION

The surface being adhered to must be clean and free from loose material and any coating that may affect bond. Smooth surfaces should be abraded with the use of a wire brush or mechanical aid. Surfaces should have a roughened texture and be pre-soaked with clean water prior to the application of the mortar.

Tools

- Steel trowel
- Steel float
- Electric drill and paddle

PRIMING

Porous surfaces should be primed with Ultra Floor Prime IT AR while non-porous surfaces should be primed with Ultra Floor Prime IT N, using the required primer at the correct dilution rates. Primer should be used in accordance with instructions printed on the bottle.

MIXING

Ultra Floor Patch IT rapid45® should be mixed with an electric drill and paddle, using the correct ratio of clean and potable water; a 10kg bag will require 1.7 litres of water. Add the powder to the water and mix thoroughly to obtain a lump free and slump resistant mortar.

APPLICATION

The mixed material should be applied immediately and firmly onto the prepared surface to ensure positive adhesion. Pay particular attention to edges and thin sections. The surface may be closed using a steel float or trowel.

CLEANING

Tools should be thoroughly cleaned in water to remove excess materials immediately after use.

TECHNICAL DATA

Packaging:	10kg bags
Working Time:	5-10 Minutes
Time to Foot Traffic:	20-25 Minutes @ 20°C
Time to Cover:	1 Hour
Application Thickness:	2-35mm
Protein Free:	Yes
Coverage @ 3mm:	2.0m ²
Consumption/mm Thickness:	1.65kg/m ²
Suitable for Pump Application:	No
Compressive Strength: (to BS EN 13892-2)	28 Days: 34.40 N/mm ² 7 Days: 31.15 N/mm ² 1 Day: 18.78 N/mm ²
Flexural Strength: (to BS EN 13892-2)	28 Days: 6.14 N/mm ² 7 Days: 6.0 N/mm ² 1 Day: 4.48 N/mm ²
Storage:	Store in sealed original bags at temperatures between 5°C and 30°C. Avoid frost. This product must be stored in unopened bags, clear of the ground in cool, dry conditions and protected from excessive drafts. If stored correctly and used within 6 months of the date shown on the bag, the activity of the reducing agent will be maintained and this product will contain, when mixed with water, no more than 0.0002% (2 ppm) soluble Chromium (VI) of the total dry weight of the cement. Note: The use of this product after the end of the declared storage period may increase the risk of an allergic reaction.
Shelf Life:	6 months in above conditions.

QUALITY ASSURANCE

All products are manufactured in a plant, the quality management system of which is certified/registered as being in conformity with BS EN ISO 9001, ISO 14001 and OHSAS 18001. Ultra Floor products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. However, we cannot accept responsibility arising from the application or use of our products because we have no direct or continuous control over where and how our products are used. All Ultra Floor products are sold subject to our terms and conditions of sale, copies of which may be obtained upon request.

HEALTH & SAFETY

Please ensure that appropriate PPE is used when preparing, mixing and applying products. Always wash hands before consuming food and make sure that materials are kept safely out of reach of children and animals. Please dispose of packaging and waste appropriately. A full Material Safety Data Sheet relating to this product is available from www.instarmac.co.uk

CONTAINS PORTLAND CEMENT

• R37/R38 Irritating to respiratory system and skin • R41 Risk of serious damage to eyes • R43 May cause sensitisation by skin contact • S24/25 Avoid contact with skin and eyes • S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice • S37/S39 Wear suitable gloves and eye/face protection • S51 Use in well ventilated areas • S64 If swallowed, rinse mouth with water (only if person is conscious) • P17 Contains chromium (VI). May produce an allergic reaction.

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