








Technical Data Sheet

Single Part Concrete Levelling Compound

Features

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|-------------------------------|-----------------------|
| ◆ Polymer Modified | ◆ Under Floor Heating |
| ◆ Concrete Levelling Compound | ◆ Non Shrink |
| ◆ 3-50mm Depth | ◆ Protein Free |
| ◆ Rapid Set | ◆ Pumpable |

For smoothing & levelling internal floors at 3-50mm depth on irregular substrates, prior to the application of a decorative covering. Suitable for most common substrates.

				
3-50mm Bed Thickness	Open Time 20-30 Mins	Set Time 2-3 Hrs	Internal Floors	Lifetime Guarantee



Manufactured by **Instarmac® Group plc**

Danny Morson Way, Birch Coppice Business Park, Dordon, Tamworth B78 1SE

Tel: +44 (0) 1827 871871; Fax: +44 (0) 1827 874466; email@instarmac.co.uk; www.instarmac.co.uk

An **INSTARMAC®** Brand

Single Part Concrete Levelling Compound

INFORMATION

Ultra Floor Level IT one HDB is a single part concrete floor leveller containing a compound of specially graded fillers, fine cements and polymers for smoothing and levelling internal floors with irregular substrates, prior to the application of decorative surface flooring. Ultra Floor Level IT one HDB has a set time of approximately 3 hours and can be laid at depths from 3mm to 50mm. It is suitable for use on all common building substrates including concrete, sand/cement screeds, flooring grade asphalt, floors with under floor heating, and can be used over screwed and fixed boarded floors at 300mm centres.

SURFACE PREPARATION

Before application the surface being adhered to must be clean, firm, dry, free of dust, dirt, oil and grease or any other contaminating barriers. Remove any flaking or peeling layers. The substrate must be strong enough to support the weight of the leveller, adhesive and covering being fixed. Direct to earth sub-floors must have an effective damp proof membrane. All existing damp proof membranes must be functioning effectively.

TOOLS

- Suitable steel trowel
- Spiked roller
- Electric drill and paddle

PRIMING

Porous and timber surfaces should be primed using Ultra Floor Prime IT AR or Ultra Tile Prime IT FP. This will help to prevent water penetration, increase bond strength and reduce the possibility of failure. Ultra Floor Prime IT AR or Ultra Tile Prime IT FP should be diluted 1 part primer to 3 parts water and applied with a roller, brush or spray. Allow the liquid to become translucent and nearly dry before applying Ultra Floor Level IT one HDB. Very porous substrates may require an initial coat diluted 5 parts water to 1 part primer before applying the above.

MIXING

Ultra Floor Level IT one HDB powder should be added to 4.25 litres of clean water in a suitable container and slowly mixed for approximately 3-5 minutes with a slow speed drill and paddle until an homogeneous mixture is obtained. Once mixed the material is immediately ready for use and has a workability time of approximately 20-30 minutes. We would strongly recommend that you do not mix more material than can be used in this time and do not re-wet.

APPLICATION (BY HAND)

The mixed material should be poured directly onto the prepared substrate and lightly trowelled to the required thickness with a solid bed trowel to achieve a smooth surface texture. We also recommend the use of a spiked roller.

APPLICATION (BY PUMP)

For pump application contact Instarmac Group Technical Department for a list of contractors.

CLEANING

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

RELATED PRODUCTS

- Ultra Floor Prime IT AR – Acrylic primer
- Ultra Floor Prime IT N – Polymer emulsion primer
- Ultra Tile Prime IT FP – Flexible additive and primer

TECHNICAL DATA

Packaging:	25kg Bag
Working Time:	20-30 Minutes @ 20°C
Time to Foot Traffic:	2-3 Hours @ 20°C
Time to Cover:	1 Day, 3-15mm 2 Days up to 30mm 3 Days up to 50mm
Application Thickness:	3-50mm
Protein Free:	Yes
Coverage @ 3mm:	5.0m ²
Consumption/mm Thickness:	1.69kg/mm/m ²
Suitable for Pump Application:	Yes
Compressive Strength: (to BS EN 13892-2)	28 Days: 38.0 N/mm ² 7 Days: 27.50 N/mm ² 1 Day: 19.50 N/mm ²
Flexural Strength: (to BS EN 13892-2)	28 Days: 8.50 N/mm ² 7 Days: 4.50 N/mm ² 1 Day: 2.70 N/mm ²
Storage:	Store in a dry place at temperatures between 5°C and 30°C. 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. Shelf life in correctly sealed bags is 6 months. 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

- R43 May cause sensitisation by skin contact
- S37 Wear suitable gloves
- S24 Avoid contact with skin
- S46 If swallowed, seek medical advice immediately and show this container or label
- S56 Dispose of this material and its container to hazardous or special waste collection point
- P17 Contains Chromium (VI). May produce an allergic reaction.