

ULTRA

Level *it* HD top

Technical Data Sheet

Industrial Grade, Self Smoothing, Floor Topping

Features

- ◆ Industrial Topping/Finish
- ◆ Pumpable up to 2000m² per day
- ◆ Heavily Trafficked Areas
- ◆ Excellent Strengths
- ◆ Accepts Forklift Traffic
- ◆ Protein Free

Cementitious, self-smoothing durable floor topping, suitable for highly trafficked internal warehouse and industrial floors. Minimal disruption, rapid strength gain, early trafficking.



5-15mm Bed Thickness



Foot Traffic
4 hrs



Forklift Traffic
36 hrs



Internal Floors



Lifetime Guarantee



Federation
Great Britain



Manufactured by **Instarmac Group plc**

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Industrial Grade, Self Smoothing, Floor Topping

INFORMATION

Ultra Level IT HD Top is a cementitious self-smoothing floor topping designed for warehouse and industrial floors when rapid strength gain and durability are a high priority. It can be pumped up to 2000m² per day with an application depth of 5mm-15mm, providing a highly durable floor covering that is quick and cost effective to apply.

SURFACE PREPARATION

The preparation of the substrate is very important to ensure the most effective use of Ultra Level IT HD Topping. The concrete substrate must be firm, hard and free of old coatings, concrete laitance and any contaminants which may impair adhesion during the application. The concrete must have a profiled textured surface, which can be achieved by captive shot blasting, grinding or milling. For areas, which are contaminated by oil or grease, H.C.A (Hot Compressed Air) treatment may be required. All dust and debris must be vacuumed away to leave a clean, dust free surface.

PRIMING

Priming is required using Ultracrete AR acrylic primer. Apply two coats of primer by roller, brush or spray. For the first coat, dilute by 1 part Ultracrete AR primer to 5 parts water. Apply to prepared surface and allow to dry (normally overnight).

For the second coat, dilute 1 part Ultracrete AR acrylic primer to 3 parts water and apply to the previous coat. Allow to become touch dry (translucent) before applying Ultra Level IT HD Topping. Note: On very porous floors a third coat of primer may be required. Ensure all floor are fully primed with no 'dry' patches. Do not allow the Ultracrete AR acrylic primer to pond. Always apply Ultra Level IT HD Industrial Topping within 36 hours of the priming operation.

MIXING

Ultra IT HD Industrial Topping should be mixed and applied either by hand or by specialist mixer/pump. For pump application contact the Instarmac Group Technical department for a list of contractors. For hand application place 4.5L of clean potable water into a clean suitable container. Slowly add (whilst mixing) the contents of the 25kg bag of Ultra Level IT HD Topping. Mix with a slow speed drill and paddle until a homogeneous mix is attained.

PLACING

Pour onto the primed floor, trowel and de-aerate with a spike roller or a spatula. Note: Large areas should be sub-divided by temporary partition strips. Do not install Ultra Level IT HD Topping when ambient temperature is or will fall below 6°C. Ensure light ventilation during installation. Apply mixed material within 20 minutes. Ultra Level IT HD Topping does NOT require an independent curing agent.

TECHNICAL DATA

Packaging:	25kg triple walled paper bags
Time to Cover:	1 Day: 10mm
Application Thickness:	5-15mm
Coverage @ 3mm:	1.8kg/mm/m ²
Yield:	14.3 Litres
Open Time:	30 mins @ 20°C
Compressive Strength:	28 Days: 35.00N/mm ² 7 Days: 25.69N/mm ² 1 Day: 18.46N/mm ² (to BS EN 13892-2)
Flexural Strength:	28 Days: 8.42N/mm ² 7 Days: 4.53N/mm ² 1 Day: 3.39N/mm ² (to BS EN 13892-2)
Storage:	Store in sealed original bag at temperatures between 5°C and 25°C. Avoid frost and direct sunlight. Store clear of the ground in cool dry conditions and protect from excessive drafts.
Shelf Life:	6 months in above conditions.

QUALITY ASSURANCE

All products are manufactured in a plant whose quality management system is certified/registered as being in conformity with BS EN ISO 9001:2000, ISO 14001:2004 and OHSAS 18001.

ULTRA 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. We cannot however 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 products are sold subject to our 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

• R36 Irritating to eyes/avoid contact with eyes • S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice • S46 If swallowed, seek medical advice immediately and show the container or label • S56 Dispose of this material and its container to hazardous or special waste collection point • P14 Contains Portland Cement. May produce an allergic reaction • P17 Contains chromium (VI)

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