

ULTRA

Level *it* HD base

Technical Data Sheet

Industrial Grade, Self Smoothing, Sub-layment Floor Base

Features

- ◆ Fast Application to 2000m² per day
- ◆ Durable
- ◆ Can be Pumped or Poured
- ◆ Minimum Down Time
- ◆ Economical
- ◆ Fast Drying

Ultra IT HD Base is a cementitious self-smoothing under-layment floor base designed for warehouse and industrial floors. Best where a speedy durable quality solution, that is also cost effective, is required.



5-50mm Bed
Thickness



Foot Traffic
4 hrs



Fork Lift
Traffic 36 hrs



Internal
Floors



Lifetime
Guarantee



Federation
of Stone
Great Britain



Manufactured by **Instarmac Group plc**

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Industrial Grade, Self Smoothing, Sub-layment Floor Base

INFORMATION

Ultra Level IT HD base is a cementitious self smoothing floor base designed for the sub-layment of floors to level undulations prior to the application of Ultra Level IT HD Topping. It can be applied to depths between 5mm-50mm per application.

PREPARATION

The preparation of the concrete is of vital importance for the effective use of this material. Concrete must be firm and hard and free of old coatings, concrete laitance and any contaminants which may impair adhesion. The concrete must have a profiled textured surface. This can be achieved by captive shot blasting. For areas that 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 with Ultracrete AR acrylic primer. Apply two coats of primer by roller, brush or spray. For the first coat, dilute 1 part Ultracrete AR acrylic 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 over previous coat. Allow to become touch dry (translucent) before applying Ultra IT HD Base. Ensure the entire surface is fully primed. Do not allow the Ultracrete AR primer to pond. Always apply Ultra IT HD Base within 36 hours of priming operation. Note: On very porous floors a third coat of primer may be required.

MIXING

Ultra IT HD Base is mixed and applied either by hand or by specialist mixer/pump. For pump application contact Instarmac Technical department for a list of approved contractors with the necessary experience to carry out the work. For hand application place 4.25 litres of clean potable water into a clean suitable container. Slowly add whilst mixing the contents of the 25kg bag of Ultra IT HD Base. Mix with a slow speed drill and paddle until an homogeneous mix is attained.

PLACING

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

OVERCOATING

Depth of material, external temperature and humidity will affect drying times. Always take readings to establish moisture content prior to over-coating. Typically moisture content of 5% or lower will be required; however consult with the coating data sheet to establish exact requirements. The floor must be protected from all contact with water. Inspect the slight surface film that can be produced which will impair adhesion to coating. It is advisable to lightly abrade the surface.

CLEANING

Ultra IT HD Base should be removed from tools and equipment with clean water immediately after use. Cured material can be removed mechanically or by acid etching.

TECHNICAL DATA

Packaging:	25kg triple walled paper bags
Time to Cover:	Up to 1 day: 50mm
Application Thickness:	5-50mm
Coverage:	1.8kg/mm/m ²
Yield:	13.5 Litres
Open Time:	25-30 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 bags at temperatures between 5°C and 25°C. Avoid frost and direct sunlight. Store clear of ground in cool dry conditions and protect from excessive drafts.
Shelf Life:	6 months in cool dry 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

• R43 May cause sensitisation by skin contact • S24 Avoid contact with the skin • S37 Wear suitable gloves • 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.