



Levelay HDT

HD Textured Floor Topping

DESCRIPTION

Levelay HDT is a flow applied epoxy resin flooring composition formulated from specially selected resins and high strength aggregates. Levelay HDT produces a finish of high strength and durability with excellent abrasion and impact resistance able to withstand aggressive operating conditions and comes with a textured surface for maximum anti-slip properties.

USES

Levelay HDT provides a hardwearing, easily cleaned, low maintenance, attractive, textured floor surface which is chemically resistant, impervious and seamless. Levelay HDT floors are recommended for use in a wide range of industrial and commercial environments including laboratories, hospitals, food and beverage processing areas, pharmaceutical plants, electronics factories, kitchens, plant rooms, offices, production areas, workshops and warehousing areas.

ADVANTAGES

- **Durable** good abrasion resistance, low maintenance costs
- **Hygienic** impervious, dustfree, easy to clean surface
- **Chemically resistant** good resistance to a wide range of industrial chemicals
- **Proven performance** long standing job references
- **Non-slip** textured surface provides excellent grip for pedestrian and vehicular traffic

PHYSICAL PROPERTIES

- **Compressive strength** 86 N/mm²
- **Tensile strength** 14 N/mm²
- **Flexural strength** 44 N/mm²
- **Shear strength** 14.7 N/mm²
- **Specific gravity** 2.0
- **Viscosity of Levelay @ 23°C** 30 Poises

BS EN 13892-4:2002	Abrasion Resistance	AR 0.5
BS EN 13892-8:2002	Bond Strength	B 2.0
BS 8204:Part 1 2003	Impact Resistance	Cat. A

CE BS EN 13813: 2002 / Synthetic Resin Screed Material

Slip Resistance Value – BS 7976-2 : 2002

4S Rubber Slider Wet	48	4S Rubber Slider Dry	63
TRL Rubber Wet	30	TRL Rubber Dry	97

Hygiene of Foodstuffs

Enamelcoat is complaint with European Directive on the Hygiene of Foodstuffs (93/43/EEC) and must be maintained in accordance with Chapter 1 of the Directive.

CHEMICAL RESISTANCE

Levelay HDT is resistant to a wide range of chemicals. Specific data is available on request from the Technical Services Department.

COLOURS

Levelay HDT is available in a range of colours. For details refer to colour chart.

TEMPERATURE

Levelay HDT should not be applied at temperatures below 13° C and above 40° C

INSTRUCTIONS FOR USE

SURFACE PREPARATION

It is essential that the substrate surfaces are correctly prepared prior to application. New concrete or cementitious substrates should have been placed for at least 28 days, unless specially water reduced and give a protimeter reading of less than 75% RH. Conren WD Aquatect can be used for situations where the relative humidity is above 75% RH. All substrates should be sound and free from contamination. New or old floors should be prepared by vacuum blasting, grinding or light scabbling. Ensure that all substrates are free from rising damp. For the best results, all cracks, holes or damage to the subfloor should be repaired with Conren Patchfast epoxy resin mortar and be allowed to cure.

PRIMING – Please refer to Conren's Technical Services Department for further information regarding primers for the Levelay HDT system.

MIXING AND APPLICATION

Mechanical mixing is essential and a drill and paddle type mixer is recommended. Add the entire contents of the hardener container to the base container and mix for 3-4 mins, add 6kg of dry Chelford 52's aggregate and mix for another 2 mins. The mixed Levelay HDT should then be poured onto the primed substrate and spread uniformly to the required thickness using a serrated steel trowel. The surface should then receive a blinding of dry Chelford 52's aggregate to excess but not less than 2.5 - 3kg per m². Once left to cure overnight, any loose material should be swept away and two coats of Conren Enamelcoat should be applied to seal the surface.

EXPANSION JOINTS

Expansion joints in the substrate should be maintained in the Levelay HDT system using Conren's Flexijoint.

COVERAGE & PACKSIZES

<u>Pack size - kg</u>	<u>Approx. Coverage</u>
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Levelay HDT 22kg	4m ² @ 4mm
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*Chelford 52's not included within this pack size

CLEANING

All tools and equipment should be cleaned using Conren Solvent Cleaner immediately after use. Spillage should be absorbed with sand or sawdust and disposed of in accordance with statutory regulations.

STORAGE

Shelf life at least 12 months if stored in original containers between 10° C and 25° C.

PRECAUTIONS

For further information on our precautions please see the MSDS.

Technical Service and Quality Assurance

All information provided in this leaflet is based on results obtained from our own experience and testing which is given in good faith. The information is provided without guarantee as the user will be deemed to have satisfied themselves independently of the suitability of Conren's product for their own particular purpose. Conren Limited cannot be held responsible for any errors as a result of any incorrect information being provided.



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