

DEGADUR HD

(heavy-duty. self-levelling. long lasting)

Description

A liquid-applied and self smoothing flooring system formulated with solvent – free and cold-curing methyl methacrylate resin which is manufactured by DEGUSSA / ROHM Specialty, Germany).

Super fast-curing applications in thicknesses ranging from 5mm to 10mm and variable in colour and finish.

Uses

A special heavy-duty seamless easy to clean protective flooring which is chemical resistant and exceptionally hard-wearing suitable for all industrial and commercial, buildings, shipyard, airport, maritime and public buildings.

Benefits & Properties

- Heavy duty and hard wearing.
- Anti-skid, abrasion resistant and weather proofed.
- Excellent wear resistant against vehicular traffic.
- Absorbent to shock impact and thermal movements.
- Superior corrosion-proof against most industrial chemicals.
- Non-porous, waterproofing and totally impermeable to water / liquid.
- Applicable in low-temperatures * especially in cold rooms and freezers.
- Super fast curing – 100% and withstand full loads just two hours after application.
- Variable in patterns, colour and finished texture.

- Applicable directly onto concrete, metal, timber and tiles.
- Overcoating and recoating easily applicable.
- UV stable and weatherproofed .
- Suitable for all outdoor structures.

Safety and Standards

DEGADUR meets all GMP, HACCP, USDA standards; complies with Toxic Substance Control Act and is designated as non-carcinogenic by NTP, IARC, and OSHA.

Areas Of Application

Industrial

- Production, processing and packing.
 - Heavy traffic gangway.
 - Loading bay, warehouse, store and workshop.
 - Refuse disposal and collection bay.
- ### **Commercial**
- Central wet market.
 - Hypermarket and hotel delivery bay
 - Loading bay, ramp and deck.
 - Refuse disposal and collection bay .
 - Roof car park and helipad.

Heavy Traffic & Loading Areas :

- Shipyard, dock and shipdeck.
- Airport hangar and taxing runway.
- Refuse disposal transfer station.
- Bridge deck, military base and terminal.
- Oilrig, train and bus platform.
- Petrol kiosk, buslane, tunnel and road markings.

APPLICATION TECHNIQUE

Surface Preparation

- Removal of top loose particles, surface laitance, oil and grease by captive shot-blasting, machine grinding and scarifying.
- Remove surface dampness by flame torching.
- Vacuum cleaning and brushing to provide dust-free open textured surface.

Priming

- All prepared surfaces to be primed with DEGADUR 112 floor sealer to close all joints and pores and leave to dry.

Coating

- All irregularities and pot holes are filled with DEGADUR filler to the desired uniformity.
- Application of DEGADUR base coat is fluid-laid in one working process using steel trowel; drying time in 45 minutes.
- DEGADUR top coat is similarly applied to self-smoothing finish; 100% curing within 2 hours.
- If an anti-skid finish is required, silica or coloured quartz shall be broadcasted onto wet DEGADUR top coat and sealed with a thin pigmented / transparent roll-on application.

TEXTRACO (MALAYSIA) SDN BHD^{122000-D}

NO 42 JALAN BAGAN NIRA 26/8, KAWASAN HICOM, SEKSYEN 26, 40400 SHAH ALAM, SELANGOR DARUL EHSAN

TEL : 603-51929172, 51929173 FAX 03-51929175 website : www.textraco.com.my

Construction Requirements

1. The floor slab shall be reinforced concrete of minimum 100mm thickness.
2. The slab shall be waterproofed with an impermeable barrier against rising moisture (ground water effect) by using 250 micron thick HDPE / PVC membrane well laid with minimum 150mm wide over – lapping sealed with bituminous tape.
3. The floor surface shall have a minimum compressive strength of 21 N/mm² and withstand an imposed load of 10 KN/m² uniformly distributed.
4. The floor shall already be provided with fall for good water drainage and free from ponding.
5. The concrete surface shall be power-floated to smooth finish free of sealer, curing agents and surface irregularities.
6. All new concrete surfaces shall be allowed to cure 21 days before commencement of DEGADUR Industrial Flooring.
7. TEXTRACO's representative shall inspect the floor at least 30 days before commencement of DEGADUR application. We shall report immediately to the building owner, architect, consultants and main contractor of any unsatisfactory condition in writing. TEXTRACO shall also write to all parties respectively to acknowledge acceptance of the floor in satisfactory condition.

Health & Safety

During the application of DEGADUR, methacrylate fume, recognisable by its distinctive and characteristic odour is released briefly until curing. This typical odour functions as a warning and the perception threshold is between 0.05 – 0.21 ml/m³ (ppm) well below the permissible maximum concentration of 50 ml / m³ for the work place (MAK-value).

DEGADUR is safe, nontoxic and has no adverse health effect. It complies to Law on Food Stuffs and Articles of Daily Use.

Further Information

- Chemical Resistant Chart
- Certificates Of Physiological Inoffensiveness.
- Maintenance program and manual.
- Test Report & MSDS

<u>Property</u>	<u>Test Method</u>	<u>Value</u>
Specific Gravity	DIN 53479	2.1 Kg/L
Compressive Strength	DIN 1164	65 N/mm ²
Flexural Strength	DIN 1164	21 N/mm ²
Tensile Strength	DIN 53455	16 N/mm ²
Elongation at Fracture	DIN 1164	38%
Modulus of Elasticity	DIN 53456	4350 N/mm ²
Ball indentation Hardness	DIN 53456	115 N/mm ²
Water Absorption (4 days)	DIN 53456	<0.1%
Shore D Hardness	DIN 53505	78-80
Surface Resistance	DIN 53482	8.0.10 ¹² Ohm
Volume Resistance	DIN 53482	7.0.10 ¹³ Ohm.cm
Coefficient of Thermal Expansion	VDE 0304/1	50.10 ⁻⁶ K ⁻¹
Resistance to thermal Deformation (Vicat)	DIN 53460	80 ^o C
Colour Fastness	-	absolute stability
Full Cure (100% traffic & Loading)	-	maximum 2 hours
Lowest working temperature	-	-40 ^o C

TEXTRACO (MALAYSIA) SDN BHD^{122000-D}

NO 42 JALAN BAGAN NIRA 26/8, KAWASAN HICOM, SEKSYEN 26, 40400 SHAH ALAM, SELANGOR DARUL EHSAN

TEL : 603-51929172, 51929173 FAX 03-51929175 website : www.texttraco.com.my

TEXTRACO (MALAYSIA) SDN BHD^{122000-D}
NO 42 JALAN BAGAN NIRA 26/8, KAWASAN HICOM, SEKSYEN 26, 40400 SHAH ALAM, SELANGOR DARUL EHSAN
TEL : 603-51929172, 51929173 FAX 03-51929175 website : www.textraco.com.my