

# DEGADUR TL

# TEXTRACO

(high chemical resistant. waterproofing. weatherproofing)

## Description

A high chemical resistant coating against most acids and alkali and 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 0.5mm to 5mm and variable in colour and pattern.

## Uses

DEGADUR TL performs superbly as a protective lining and coating to chemical tanks, effluent, waste treatment plant and reservoir because of its superior chemical resistance, good UV weathering and totally waterproofing property. It is suitable for all liquid storage containments.

## Benefits & Properties

- Tough, long lasting and more elastic than any other coatings.
- Excellent wear resistant against corrosive elements.
- Absorbent to shock impact and thermal movements.
- Superior corrosion-proof against most industrial chemicals.
- Non-porous, waterproofing and totally impermeable to water/liquid.
- Super fast curing – 100% and withstand full loads just two hours after application.
- Applicable directly onto concrete, metal and most solid substrates.
- Overcoating and recoating easily applicable.

## 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

- Reservoirs and water storage facilities.
- Fibre glass and mild steel tanks.
- Concrete waste treatment and effluent tanks.
- acid and alkali storage containments.
- Fuel and petroleum storage areas.
- Sewerage and oxidation ponds.
- Swimming pools, fountains and spa.
- Drains, manholes and sumps.
- Fish ponds and aquaculture tanks.

## Application Technique

### Surface Preparation

- Removal of top loose particles surface laitance, oil and grease by captive shot-blasting, machine grinding and scarifying.
- 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 paint rollers and steel trowel; drying time in 45 minutes.
- DEGADUR top coat is similarly applied to self-smoothing finish; 100% curing within 2 hours.

## Construction Requirements

1. The concrete slab and wall 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 surface shall have a minimum compressive strength of 21 N/mm<sup>2</sup>
4. The concrete surface shall be smooth and free of sealer, curing agents and surface irregularities.
5. All new concrete surfaces shall be allowed to cure for 21 days before commencement of DEGADUR Industrial Flooring.
6. 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.

TEXTRACO (MALAYSIA) SDN BHD<sup>122000-D</sup>

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## 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/m<sup>3</sup> (ppm) well below the permissible maximum concentration of 50 ml / m<sup>3</sup> 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	1.85 KG/L
Compressive Strength	DIN 1164	40 N/mm <sup>2</sup>
Flexural Strength	DIN 1164	16 N/mm <sup>2</sup>
Tensile Strength	DIN 53455	12 N/mm <sup>2</sup>
Elongation at Fracture	DIN 1164	36%
Modulus of Elasticity	DIN 53456	4000 N/mm <sup>2</sup>
Ball indentation Hardness	DIN 53456	85 N/mm <sup>2</sup>
Water Absorption (4 days)	DIN 53456	<0.1%
Shore D Hardness	DIN 53505	68-70
Surface Resistance	DIN 53482	8.0.10 <sup>12</sup> Ohm
Volume Resistance	DIN 53482	7.0.10 <sup>13</sup> Ohm.cm
Coefficient of Thermal Expansion	VDE 0304/1	50.10 <sup>-6</sup> K <sup>-1</sup>
Resistance to thermal Deformation (Vicat)	DIN 53460	80 <sup>0</sup> C
Colour Fastness	-	absolute stability
Full Cure (100% traffic & Loading)	-	maximum 2 hours
Lowest working Temperature	-	-40 <sup>0</sup> C



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