

DEGADUR CQ

(coloured quartz textured finish. abrasion resistant. anti-skid)

Description

A decorative and textured flooring system which is liquid-applied and self-levelling using solvent – free and cold-curing methyl methacrylate resin (from DEGUSSA / ROHM Specialty, Germany) and broadcasted with specially coloured and coated quartz for anti-skid and abrasion – proofed finish.

Super fast-curing applications in thicknesses ranging from 3mm to 6mm and variable in colour and pattern.

Uses

A most ideal anti-skid flooring for area subject to oil and grease spillage, constantly wet condition and for outdoor application where anti-skid and UV stability are most required; suitable for all industrial , commercial, educational, medical and residential buildings.

Benefits & Properties

- Anti-skid, abrasion resistant and weather proofed.
- Decorative and hard wearing.
- Tough, long lasting and more elastic than any other floorings.
- Seamless and far more superior and hygienic than tiles after installation.
- 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 pattern, color and finished texture.
- applicable directly onto concrete, metal, timber and tiles.
- 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

Industrial

- Production, processing and packing.
- Gangway, corridor and changing room.
- Office, canteen, kitchen and eatery.
- Workshop, toilet and wash area.
- Cold room and freezer.
- Reception, gallery and common area.
- Loading bay and storage.

Commercial

- Commercial kitchen, bakery, meat and all food processing area.
- Food court, restaurant and eatery.
- Office, retail and hotel.
- Swimming pool, recreation and roof garden.
- Supermarket and hypermarket.
- Toilet and wet floor.

Educational

- Office, lecture hall and classroom.
- Hostel, library and laboratory.
- Multipurpose hall and canteen.
- Workshops, sports and utilities.

Medical

- Kitchen, canteen, food court and wash area.
- Laundry, toilet and wet area.
- Walkway, corridor , gallery and recreation.

Residential

- Terrace and balcony.
- Garage and driveway.
- Wet kitchen, toilet and swimming pool deck.

Application Technique

Surface Preparation

- Removal of top loose particles, surface laitance, oil and grease by captive steel 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.

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Coating

- All irregularities and pot holes are filled with DEGADUR filler to the desired uniformity.
- Application of DEGADUR base coat is fluid-laid and spread with a steel trowel.
- Coloured quartz are broadcasted onto wet base DEGADUR coat and leave to dry – 45 minutes.
- Excessive and loose coloured quartz are removed by brushing and vacuum – cleaning.
- A transparent DEGADUR top coat is applied over the coloured quartz using paint roller to a textured, decorative and anti-skid finish.
- For a totally smooth finish, more clear DEGADUR top coats are applied until coloured flakes are wholly covered.
- 100% curing is achieved within 2 hours after application.

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	2.3 Kg/L
Compressive Strength	DIN 1164	68 N/mm ²
Flexural Strength	DIN 1164	23 N/mm ²
Tensile Strength	DIN 53455	18 N/mm ²
Elongation at Fracture	DIN 1164	40%
Modulus of Elasticity	DIN 53456	5000N/mm ²
Ball indentation Hardness	DIN 53456	125N/mm ²
Water Absorption (4 days)	DIN 53456	<0.1%
Shore D Hardness	DIN 53505	80-82
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	90° C
Colour Fastness	-	absolute stability
Full Cure (100% traffic & Loading)	-	maximum 2 hours
Lowest working temperature	-	-40° C

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