



DU LEVEL

Fiber-reinforced, non shrinking Concrete Repair mortar

Description

- Dubond's Du level is fiber-reinforced, non shrinking mortar up to thickness 5-50mm and its works as a repair mortar composed of sand, special cement, fibres and admixtures.

Uses

- Repair of concrete surfaces: spalling, honeycombing, stair nosing, etc.
- Concrete restructuring: pillars, slabs, posts, dam aprons and spillways, etc.
- Reinforcement of weakened structures: balconies, overhangs, cornices.
- Treatment of chamfers and seams prior to waterproofing.

Characteristics

- Application thickness: 5 to 50mm
- Thixotropic.
- Strong bonding.
- High compactness. Closed porosity delays the progression of carbonation.
- High initial and final mechanical strength.
- Excellent resistance to sea water and sulphated waters.
- Contact possible with drinking water.

Specifications

- Grey ready-to-wet powder.
- Active ingredients including hydraulic binders and synthetic fibres. Chloride and metal particle free.
- Du level protects steel rebars from corrosion.
- Portland cement concrete colour.
- Particle size : 0 - 2 mm
- 1/2 Abrams slump cone measurements : 1 - 5 em
- pH : 12

Substrate preparation

- Remove loose and damaged concrete and laitance using a point tools, chisel, or planing tool in order to obtain a clean, rough surface.
- Clear out concrete around corroded rebars in order to create space for inserting the product behind and around them.
- The boundaries of the surface to be repaired must be clearly defined.
- The substrate must be free of all traces of grease and oil.
- Brush, scrape or sandblast corroded rebars in order to remove non-adherent rust.
- Dust off all surfaces to be repaired.
- Soak the substrate prior to application.
- If rebars are to be covered with less than 10mm of mortar, they should be passivated using either - a slurry mix of Du level and Tufex AD.



Application Information

Mixing Ratio	~2.5 to 3.0 L of water f or 25 kg powder
Consumption	This depends on the substrate roughness and thickness of layer applied. As a guide, ~2.10 kg/m ² /mm.
Layer Thickness	5 mm min./ 50mm max.
Ambient Air Temperature	+5°C min./ +35°C max.
Substrate Temperature	+5°C min./ +35°C max.
Pot Life	~15-20 minutes (at +20°C)

Product Information

Chemical Base	Portland cement, Selected aggregates and additives and fiber.
Density	Fresh mortar density:~2.10 kg/l
Compressive Strength	28 days >50 mpa
Modulus of Elasticity	~30 Gpa
in Compression Tensile adhesion strength	22 days >10 mpa
Restrained Shrinkage/ Expansion	~2.5 mpa

Product Preparation

- The mortar is made by mixing Du level mortar with water.
- Machine or hand-mix for 3 minutes minimum until evenly distributed.
- Workable life after mixing: approximately 35 minutes at 20°C.
- No water must be added during application.

Application

- Apply a first batch of Du level mortar with a stainless steel trowel, pressing firmly to ensure bonding.
- Apply additional mortar to obtain the desired overall thickness.
- Trowel of float the repaired surface for a smooth finish.
- For large surfaces, the mortar may be applied by machine spray (wet or dry process).

Packaging

25 kg bag

Storage

12 months from date of manufacture if stored in unopened original packing in dry, frost-free conditions.

Precautions

- Temperature range for use : 5°C to 35°C.
- Do not apply to a frozen or thawing substrate.
- Apply only to clean, sound resistant substrates, free of loose material.
- Cracks should be treated separately.
- Soak the substrate before application.

DUBOND[®]

BINDS BETTER! BEAUTIFY!

Dubond Products (India) Pvt.Ltd.

C-3, 1001, Annushruti Tower, S. G. Highway, Thaltej,

Ahmedabad - 380054. Gujarat - INDIA

OFFICE NO. : 91-79-2685 6815 Email : info@dubond.in

Customer Care : +91 74860 13545 www.dubond.in

DISCLAIMER The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.