



DU LEVEL

Cementitious Thixotropic Leveller

Description

Dubond's DU LEVEL is a high-performance levelling of substrates from 1 to 10 mm thickness, with normal setting prolonged workability, manufactured by Dubond Products (India) Pvt. Ltd, suitable for subsequent laying of tiles after 12-24 hours and for laying of natural stone, parquet and resilient materials 3-5 days after application, at +23°C 50% R.H. Apply using a smooth spreader on the previously prepared, clean and dimensionally stable substrate and finish with a rigid float.

Areas of Application

- Internal & External.
- Also suitable for large surface areas.
High level of slide for fast and safe applications.
- High dimensional stability and long lasting performance.
- High mechanical resistance.
- Suitable for laying ceramic tiles, porcelain tiles, natural floors and resilient materials using adhesives.

Features & Benefits

- Thixotropic.
- Eco-friendly.
- Normal setting.
- Mineral levelling product for the high-performance.
- Correction and extended workability of irregular substrates.
- Extended workability.
- Guranteeing the correction of large surfaces even in extreme climatic conditions with a smooth finish which ideal for the subsequent laying of covering using Dubond adhesives.

Usage

Levelling of irregular substrates with normal setting and compensated shrinkage. Thickness upto 10 mm.

Compatible Adhesives

- Mineral adhesives with SAS technology, single and two-component organic mineral adhesives.
- Reactive Epoxy and polyurethane, single and two-component cement based adhesives, dispersed in water and in solvent solutions.

Covering Materials

- Porcelain and ceramic tiles of all types and formats.
- Natural stone, recomposed materials, marble.



Substrates

- Cement plasters and cement lime mortar.
- Walls in concrete blocks or cellular concrete.
- Cement based screeds or screeds made using DU Level as binder or ready-for-use premixed products.
- Residual traces of cement based adhesives.
- Flooring and walls, for internal and external use, in domestic commercial and industrial applications and on heat - radiant slabs.

Preparation of substrates

Substrates must be stable, dry, free from any rising damp, without cracks, free from dust, oil, grease and loose, flaky parts. On substrates which are compact but very absorbent, apply Hydro Prime, water based surface insulations, in order to reduce and regulate the level of absorption. In the case of absorbent substrates with weak consistency, apply in double coats without dilution of water.

Preparation

Preparation Dubond DU Level in a clean container by pouring in 3/4 of the water required. Gradually add DU Level to the water, mixing the paste with a low-rev (400/min) helicoidal agitator. Add water until a homogeneous, lump-free mortar is obtained. The amount of water to be added indicated on the packaging, is an approximate guide.

Application

Apply Dubond DU Level with a smooth spreader. The high level of thixotropy of the mixture allows for high finishing thicknesses with just one coating. It is generally advisable to apply an initial fine layer, pressing the product down to obtain maximum adhesion to the subsequent layers. The appearance of the finish will vary depending on whether a smooth steel spreader or a sponge spreader has been used for application. For subsequent laying of ceramic tiles it is always advisable to obtain a roughened, porous surface.

Preparation

- Do not use Du Level for levelling purposes or for the correction of substrate irregularities greater than 10 mm.
- Do not add other binders or additives to the mixture low temperatures and high relative environment humidity lengthen drying times and excessive quantity of water will reduce strength and the drying time before laying hardwood floors and resilient materials.
- Check residual humidity with hygrometer calcium carbide.
- Protect from direct sunlight and currents of air for the first 12 hours.
- Respect the elastic joints present in the substrate.
- Do not use on high flexible substrates subjected to thermal expansion, plasterboard, gypsum, on substrates subjected to continuous moisture rising.

Final Characteristics

Appearance	Ready-mixed
Mixing Water	6.5 Ltr. / 25 Kg
Pot Life	> 4 h
Gel Time (Self-Leveling)	> 40 min.
Temperature range for application	from +5°C to +45°C
Min. Thickness	> 1 mm
Max. Thickness Achievable	> 10 mm
Foot Traffic	24 hours

■ Waiting time before laying

Ceramic Tiles, Terracotta	24 hours
Parquet, Resilient materials & natural stone	3 days

■ Final Characteristics

Adhesion to concrete after 28 days	> 1 MPa	EN 13892-8
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■ Resistance to

Compressive strength after 28 days	> 16 MPa	EN 13892-2
Flexural strength after 28 days	> 16 MPa	EN 13892-2
Abrasion resistance after 28 days	> < 250 mm ²	EN 13892-2
Hardness after 28 days	>95 MPa	Brinell Method

■ Coverage

1.6 Kg / m² per mm of thickness created.

■ Packaging

25 Kg of Bag.

■ Shelf Life & Storage

12 months in the original packaging in dry environment.

■ Health & Safety Precautions

- During application wear protective clothing, gloves and eye goggles during application. Avoid product to contact eyes and skin.
- **Skin Contact** : Wash immediately with plenty of clean water, use kerosene or mineral terpentine when the product has dried.
- **Eye Contact** : In the event of eye contact splash plenty of clean water immediately and seek medical advice.

■ Cleaning

Residual traces of Dubond DU Plast 20 can be removed from machinery and tools with water before the product has hardened.



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