



## DU GO SL

### FAST DRYING & HARDENING CEMENTITIOUS SELF LEVELER

Dubond's DUGO SL is a fast hardening and drying cementitious self-leveler for thicknesses from 3mm to 30 mm fiber-reinforced for interiors and exteriors product with low content of volatile organic compounds (VOC). It is a high fluid, self-leveling product of high dispersing effect (HDE) technology that creates perfectly plane substrate. The substrate has extra rapid hardening and self leveling which lives with rheological fluidity and dynamism.



### Green Building Rating



### Areas of Application

- DUGO SL is suitable for internal & external uses for high resistance correcting (3mm to 30mm) of irregular and undulated substrates to be made ready for ceramics, homogeneous tiles, marbles parquet and resilient materials.

### Features & Benefits

- Excellent self-leveling capacity.
- Fast hardening and drying time.
- High mechanical flexural and compressive strength
- High bond strength on conventional cementitious substrates
- No shrinkage
- Excellent abrasion resistance

### Preparation of substrates

In general, substrates must be free from dust, oil and grease, free from any rising damp, with no loose, flaky or imperfectly anchored parts such as residual traces of cement, lime, paint and adhesives, which must be totally removed. The substrate must be stable, nondeformable, without cracks and have already completed the curing period of hygrometric shrinkage.

### Low-absorption substrates :

Smooth substrates with very low absorption or which are completely non-absorbent, such as ceramic tiles, marble floor tiles, epoxy paints, residual traces of oxidised adhesives and smoothed concrete coatings which are compact and properly anchored, must be prepared by means of mechanical abrasion. Any substances used for surface treatment, such as wax or parting compounds, must be removed mechanically or using specific chemical products.



### ■ Low-absorption substrates :

Smooth substrates with very low absorption or which are completely non-absorbent, such as ceramic tiles, marble floor tiles, epoxy paints, residual traces of oxidised adhesives and smoothed concrete coatings which are compact and properly anchored, must be prepared by means of mechanical abrasion. Any substances used for surface treatment, such as wax or parting compounds, must be removed mechanically or using specific chemical products.

### ■ Preparation of the slurry :

Prepare DU GO SL in a clean container, first of all pouring in a quantity of water equal to approximately . of that which will be required. Gradually add DU GO SL to the water in the container mixing the paste with a low-rotation ( 400/min.) . Then add more water until a fluid, homogeneous, lump-free mortar is obtained. For best results and to mix larger quantities of self-levelling product, a stirring device with vertical blades and slow rotation is recommended. Specific polymers with high- dispersion properties ensure that DU GO SL is immediately ready for use. The amount of water indicated on the packaging is an approximate value. DU GO SL features a high degree of self-levelling capacity. **Adding extra water does not improve the workability of the product, and may cause shrinkage in the plastic phase of drying and result in less effective final performance with a reduction in surface hardness, compressive strength and adhesion to the substrate**

### ■ Deformable substrates:

In case of substrates which in any case are subject to flexure. apply HydroPrime the professional, single-component, water-base, adhesion promoter to a clean supporting surface, following the instructions for use. Attach an anti-alkali mesh with 4x 5 mm mesh size and create DU GO SL thicknesses  $\leq 5$  mm.

### ■ Large continuous surfaces:

Continuous, extensive surfaces need to be fractionized with elastic joints so as to create areas of 10 M<sup>2</sup>.

### ■ Special substrates:

Anhydrite screeds must be dry and sanded according to the manufacturer's instructions and impermeabilized with Hydroprime an eco concentrated, professional, water-base, surface insulation product, following the instructions for use. For subsequent laying of hardwood floors create a smooth finish of  $\geq 3$  mm thickness.

### ■ Method of Application :

Dubond DU GO SL is generally applied with a smooth spreader or blade. Application with plaster pumps allows the user to very quickly achieve homogeneous, high-thickness correction of large continuous surfaces.

1. It is advisable to press down hard with the spreader during application so as to regulate the absorption of water and obtain maximum adhesion to the substrate, after which the thickness can be adjusted as required.
2. Use of a lightened, cylindrical-section, levelling bar will be required to free the self levelling product from air bubbles created by high absorption levels of the substrate and to obtain a smooth and perfectly plane surface also when high thicknesses are applied.
3. Application of a further substrate correction layer must be carried out as soon as the previous layer is ready for foot traffic ( 2 - 4 hours at +23 °C / 50% R.H.), by laying HydroPrime a professional, single-component, water-base adhesion promoter, following the instructions for use.
4. After this interval it is necessary to wait 5-7 days, depending on the thickness created and then apply HydroPrime , after which the subsequent applications may be carried out. In the case of low temperatures and high humidity.
5. It is advisable to keep the environment ventilated during application and during the hours immediately following application, in order to avoid the formation of condensation on the surface of the self-levelling product during the setting phase. Protect from air currents at actual floor level.

### ■ Precautions & Limitations :

Do not use on high flexible substrates subject to thermal expansion, on wet surfaces or substrates subject to moisture rising or which are in continuous contact with water.

TM

## ■ Technical Details :

Appearance	<b>Grey in colour, Ready- Mixed</b>
Mixing Water	<b>4 - 4.5 liters / Bag of 25 Kg EN 12706</b>
Pot Life	<b>≥ 45 Min.</b>
Gel Time (Self-Leveling]	<b>≥ 40 Min.</b>
Temperature Range For Application	<b>From +5 °C to +30 °C</b>
Min. Thickness	<b>≥ 3mm</b>
Max. Thickness Obtainable	<b>≤ 30 mm</b>
Fool Traffic *	<b>Achievable After 12 hours</b>

## ■ Waiting Time Before Laying :

Ceramic Tiles	<b>12 hours</b>
Parquet	<b>24 hours</b>

## ■ Final Characteristics :

Adhesion To Concrete After 28 Days	<b>≥ 1.5 MPa EN 13892-8</b>	<b>EN 13892-8</b>
Resistance To:		
Compressive Strength After 24 Hours	<b>≥ 10 MPa EN 13892-2</b>	<b>EN 13892-2</b>
Compressive Strength After 7 Days	<b>≥ 25 MPa EN 13892-2</b>	<b>EN 13892-2</b>
Compressive Strength After 28 Days	<b>≥ 30 MPa EN 13892-2</b>	<b>EN 13892-2</b>

## ■ Coverage

1.6 kg/M<sup>2</sup> Per mm of thickness

## ■ Packing

25 Kilogram poly bag.

## ■ Shelf life & storage

6 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 turpentine 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 GO SL can be removed from machinery and tools with water before the product has hardened.

DISCLAIMER Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control. Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

**Dubond Products (India) Pvt. Ltd.**  
C-3, 1001, Anushruti Tower, S.G. Highway, Thalthej,  
Ahmedabad-380054. Gujarat - INDIA  
Ph: 91-79-2685 6815 Fax: 91-79-2685 6816  
Email: info@dubond.in Website: www.dubond.in  
**Toll Free: 1800-233-9000**

**DUBOND**<sup>TM</sup>  
BINDS BETTER ! BEAUTIFY !