

GRANULAR ULTRA



**Resin & fiber reinforced cementitious paste
(for covering surface defects up to 15mm/coat)**



■ PROPERTIES

White cementitious, fine grained polymer filler/paste with high coverage. Just add water to create an easy to use paste that does not shrink.

Classified GP: CSII/Wc0 per EN 998-1.

■ ADVANTAGES

- When applied on concrete or plaster, it creates a ready to paint, smooth finish surface.
- High mechanical strength.
- Highly durable against moisture and adverse weather conditions.
- It does not require any improving additives or emulsions.
- High bonding strength on every construction surface, even on previously painted but sound surfaces.

- Quick and easy application.
- Exceptional filling ability, quick drying and easy to sand.
- Does not burst or 'sag' at thicknesses of up to 15mm per coat.
- Unique surface strength.
- Allows the breathability of the substrate.

■ APPLICATIONS

GRANULAR ULTRA of DUROSTICK is suitable and recommended for skimming all construction surfaces made of concrete, aircrete and plastered, or else, surfaces. It covers every surface defect, even on painted walls and ceilings. Suitable to smooth, where necessary, wall surfaces that have been coated with RELIEF or scratch coat plaster. Suitable for interior and exterior surfaces.

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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■ USE

1. Surface preparation

To ensure proper adhesion of the product, surfaces have to be thoroughly cleaned and free from loose materials and dust. Any formwork oils that may exist have to be removed with the biodegradable oil cleaner, BIOCLEAR INDUSTRIAL. Avoid applying the product when the ambient or surface temperatures exceed 35°C. Soak thoroughly, especially exterior surfaces to ensure excellent adhesion conditions and eliminate the risk of early dehydration of the product, that could result in the reduction of its strength.

2. Application

Empty 20kg of the mortar in a clean container with 5.8-6.0lt of water. Mix using a low rpm electric mixer, until a lump free, homogeneous paste is produced. Allow the mixture to mature for about 10 minutes and mix periodically without adding extra water. Apply using a large or smaller spackling/taping knife, a gauging trowel or a plastering /injection machine. With one to two coats of 1-15mm each one, create a smooth surface that can be primed and painted. The surface can be sanded the very same day but it can also be smoothed with a wet plastering float when it is still fresh.

■ USEFUL TIPS - NOTES

- The coloring of GRANULAR ULTRA with the addition of the pigments in powder form DUROCOLOR POWDER-C (in 96 color chart colors), provides the unique ability to control the flatness of the walls and correct imperfections before painting. The coloring result eliminates the need for multiple coats of paint, especially true for dark colors. In this way the cost of the application is significantly reduced due to the reduction of the quantity of paint and labor that in any other case would be necessary.
- Its high coverage per coat eliminates the need to plaster the surfaces, since it acts as a plaster, giving an extremely smooth finish. Smooth and even out plastered surfaces presenting flaws and defects, noticeably obvious when darker shades are applied on them, with excellent results.

- When there is requirement for interior surfaces that are velvety smooth, skim coat the next day all the coated surfaces using the acrylic, ultrafine skimming paste, STUCOFIX-P of DUROSTICK.

■ NOTE

Protect the product while it is still fresh from rain and frost.

■ CLEANING

Clean all tools with water immediately after use.

■ CONSUMPTION

Approximately 1.4kg/m²/mm thick coat

■ STORAGE

Store in the factory sealed packages, in dry and shaded places for 12 months from production date.

■ SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the cautions on the product packaging or the Material Safety Data Sheet.

■ PACKAGING

Paper bag of 20kg on 1,200kg pallet.

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TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 65% R.H.)	
■ Form - Color	Cementitious mortar - White
■ Bulk density of dry mortar	1.30±0.05kg/lt
■ Bulk density of fresh mortar	1.65±0.05kg/lt
■ Maximum grain size	0.60mm
■ Water requirement	5.8lt water in 20kg mortar/paste
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -30°C to +80°C
■ Maximum application thickness	15mm/coat
■ Recoating time	After 4 hours
■ Pot life	At least 4 hours

PRODUCT PERFORMANCES	
■ Strength after 28 days, per EN 1015-11, to:	
• flexion	1.80±0.50 N/mm ²
• compression	4.30±1.00 N/mm ²
■ Strength after 28 days, per EN 1015-12:	
• adhesive	≥ 0.60 N/mm ²
■ Capillary water absorption (c) per EN 1015-18	0.90kg/m ² .min ^{0.5}
■ Water vapor diffusion coefficient per EN 1015-19	μ 5/20
■ Thermal conductivity λ _{10,dry} per EN 1745 (Table. A.12)	0.48 W/m-K
■ Reaction to fire per EN 13501-1	Euroclass A1

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