

DUROSTICK DS-290



Quartz based bonding primer



PROPERTIES

Multipurpose brushable polymeric mortar with selected grain size quartz aggregates. Suitable for interior and exterior applications, for wall and floor surfaces. The product functions as an excellent bonding bridge to create a rough surface on smooth or non-absorbent surfaces. Distinguished for its powerful adhesion and resistance to moisture, ensuring excellent adhesion of any natural or artificial mineral substrate, as well as any type of mortar.

Classified as product for surface protection of concrete surfaces (c), per EN 1504-2 (principles 2,5/MC, PM/moisture control, surface improvement).

ADVANTAGES

- Easily applies with paint roller
- Powerful adhesion
- Breathable
- Covers construction imperfections
- Fills hairline/capillary cracks
- Does not shrink nor burst
- Increases the strength of the entire application.

APPLICATIONS

DUROSTICK DS-290 is highly recommended for the proper preparation of smooth or nonabsorbent substrates, before installing tiles over tiles or microcement over tiles or mosaic, existing marble or wood floors. In addition, the product is suitable for substrates with radiant heating systems. The product is also an excellent bonding bridge for substrates before the application of filling/pitching materials or self-leveling floor screeds over existing floor surfaces. Creates suitable substrate on materials that require structure protection, such as gypsum board and aircrete. Ideal for applications as brushable product on finished concrete poured in wood or metal moulds, while covering minor imperfections at the same time.

USE

1. Surface preparation

All non-absorbent, to be primed surfaces must be dry and free from loose materials, dust, grease, dirt etc. Wood floors must sound, clean and dry and any lining to be installed over them

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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must be done using type S2 cementitious adhesives. All gypsum board surfaces need to be primed using either micromolar stabilizer AQUAFIX or SOLVENT BASED PRIMER of DUROSTICK. Cementitious surfaces and aircrete must be well soaked before applying the product. For new concrete surfaces, make sure to remove any formwork oils using the biodegradable oil cleaner BIOCLEAR INDUSTRIAL CLEANER of DUROSTICK before the application.

2. Application

Empty 25kg of DS-290 into a clean container with 6.5-7.0lt cool water, (5kg into 1.3-1.4lt water). Using a low-rpm drill, mix thoroughly using the suitable accessory, until a lump free, homogeneous paste with good workability (a viscous slurry form) is created. Allow for the mixture to mature for 5 minutes and stir again without adding any water. Apply the product easily in one coat using an emulsion/wide brush for corner cuts and a regular paint roller on the rest of the surface. Once the product is completely dry (24-48 hours depending on the ambient conditions), continue with the mortar application.

NOTES

- Add the acrylic emulsion D-20 of DUROSTICK into the mixing water at a ratio of three parts water to one part emulsion or DUROMAX at a ratio of six parts water to one part emulsion to increase its and water tightness.
- After hardening, the product is harmless to health and the environment.

CLEANING

Clean all tools with water, immediately after use.

CONSUMPTION

250-350gr/m² coat, depending on the substrate.

STORAGE

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

SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the

cautions on the product packaging or in the Material Safety Data Sheet.

PACKAGING

Paper bag of 5kg in a 4 pcs packaging
Paper bag of 25kg on a 1,050kg pallet

TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 50% R.H.)	
Form - Color	Resinous cementitious mortar - White
Toxic	No
Maximum grain size	1mm
Bulk density of dry mortar	1.10±0,05kg/lt
Bulk density of fresh mortar	1.60±0,05kg/lt
Water requirement	6.5lt water in 25kg mortar
Application temperature	From +5°C to +35°C
Temperature resistance	From -35°C to +90°C
Pot life	2 hours
Application thickness	Up to 1mm/coat
Full cure	After 2-3 days
PRODUCT PERFORMANCES	
Strength after 28 days, per EN 196-1, to:	
•flexion	6.00±1.00 N/mm ²
•compression	35.00±1.50 N/mm ²
Shrinkage per ASTM C596	Zero
Permeability sD to CO ₂ per EN 1062-6	sD ≥ 150m
Water vapour permeability sD per EN ISO 7783-2	sD ≤ 0,15m (class I, water vapour permeability)
Capillary water absorption w per EN 1062-3	w ≤ 0.05kg/m ² .h ^{0,5}
Adhesion to concrete, per EN 1542	≥ 2.50 N/mm ²

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DUROSTICK S.A.

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