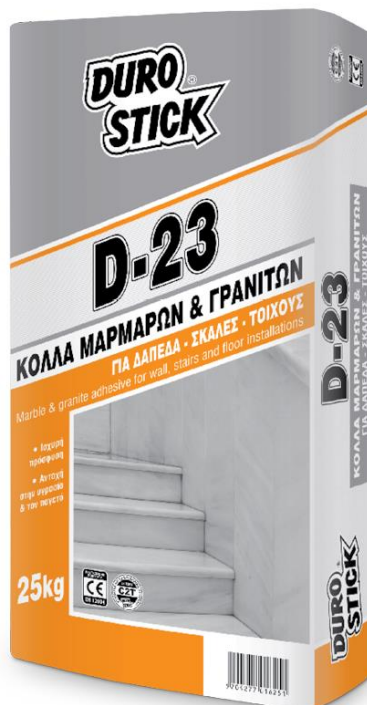


DUROSTICK D-23



Marble & granite adhesive



PROPERTIES

White adhesive reinforced with resins, for marble and granite installations. Distinguished for its extremely strong adhesion, initial and final adhesive strength. After its complete cure, it is moisture and frost resistant. It does not stain white and light color marbles. Classified C2T per EN 12004 (MIRTEC/Cert. No. 3675).

APPLICATIONS

DUROSTICK D-23 is suitable for marble and granite linings on walls, floors, stairs, both indoors and out. It is suitable and necessary for installing textured marble and stone on building facades. Provides excellent adhesion to regular and irregular shaped floor slabs, subject to increased mechanical stresses. Adding DUROSTICK ACRYLIC EMULSION in the mixing water, at a ratio of 1:1, or 1 part DUROMAX to 5 parts water, further enhances its technical characteristics, so as to meet the requirements of S1 class (deformable adhesive), per EN 12002. With this improvement, the adhesive is perfectly

appropriate for marble installations on building facades, up to 3m high and from 1-3cm thick (slab thickness), avoiding mechanical support/clips (check with your local and National building codes). The enhanced, flexible adhesive is suitable for installing marble and slabs on outdoor substrates and over surfaces with radiant heating systems subjected to intense expansions and contractions.

USE

Surface preparation

The application surface must be sound, clean, free of loose materials, dust, paint, grease, oils and it should be soaked before the application. All unstable and absorbent substrates must be primed, using the micromolar stabilizer, AQ-UAFIX. Alternatively, use the acrylic emulsion, D-20 of DUROSTICK diluted in clean water, at a mixing ratio of 1 part emulsion to 2 parts water, thus achieving an unbreakable bonding. Follow all balcony and terrace applications by coating the substrate with HYDROSTOP FLOOR, at 2-3

DUROSTICK D-23



Marble & granite adhesive

successive, crosswise coats to ensure the waterproofing of the substrate.

Application

Empty the adhesive into a clean container with cool water at a ratio of 2 parts water to 5 parts mortar (7.0-7.5lt water to 25kg mortar) and mix with a low-rpm drill until a lump free, homogeneous mass is created. Allow the mixture to mature for 5-10 minutes. During use mix periodically, without adding extra water. Apply the adhesive using a gauging trowel, 'comb' with a notched trowel and spread on the substrate. Then, coat as much surface as is required to work for the next 10-20 minutes (depending on weather conditions), thus avoiding skin formation. Finally, install the marble in the selected position by tapping softly with a rubber mallet.

CLEANING

Clean all tools with water, immediately after use.

CONSUMPTION

4-7kg/m², depending on the size of the notch of the trowel, the smoothness of the substrate and the dimensions of the marble and stone slabs.

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 the Material Safety Data Sheet.

PACKAGING

Paper bag of 25kg on 1.500kg pallet

DUROSTICK D-23



Marble & granite adhesive

| TECHNICAL SPECIFICATIONS (Measurement conditions 23°C and 50% R.H.) | |
|--|-----------------------------|
| Form - Color | Cementitious mortar - White |
| Toxic | No |
| Bulk density of dry mortar | 1.40 ± 0.005kg/lt |
| Maximum grain size | 1.3mm |
| Slip per EN 1308 | <0.5 mm |
| Water requirement: | 7,0lt water per 25kg mortar |
| Application temperature | From +5°C to +35°C |
| Temperature resistance | From -35°C to +90°C |
| Pot life | 7 hours |
| Application thickness | Up to 10mm |
| Pot Life | 3 Hours |
| Open time per EN 1346 | 20 minutes |
| Time for minor adjustments: | 25 minutes |
| Foot traffic | After 24 hours |
| Delivery to use | After 10 days |
| PRODUCT PERFORMANCES | |
| Adhesion strength, per EN 1348, after: | |
| • 28 days | ≥2.20 N/mm |
| • Thermal ageing at +70°C | ≥1.70 N/mm ² |
| • Water immersion for 21 days | ≥1.80 N/mm ² |
| • 25 freeze - thaw cycles | ≥1.75 N/mm ² |
| The experimental measurements were performed per EN 12004, in the Chemical Laboratory of DUROSTICK and were confirmed by the measurements of initial type from MIRTEC (Cert. No. 3675). NOTE: The product exceeds the statutory requirements for C2 adhesive. | |

| | |
|--|--------------------------|
|  | |
| DUROSTICK S.A. ASPROPYRGOS ATHENS PC:193 00 GREECE 07 | |
| DoP No.: 018 EN 12004:2007+ A1:2012 | |
| DUROSTICK D-23 Improved cementitious adhesive with reduced slip Interior - exterior use | |
| - Reaction to fire: | Euroclass A ₁ |
| - Release of dangerous substances: | see MSDS |
| Bond Strength as: | |
| - Tensile adhesion strength: | 1.00 N/mm ² |
| Durability for: | |
| - Tensile adhesion strength after heat ageing: | 1.00 N/mm ² |
| - Tensile adhesion strength after water immersion: | 1.00 N/mm ² |
| - Tensile adhesion strength after freeze-thaw cycles: | 1.00 N/mm ² |

DUROSTICK S.A.

MANUFACTURING OF ADHESIVES, PAINTS
& MORTARS

ATHENS: ASPROPYRGOS, ATTICA, GR: 193 00, Tel:
+30 211 60 03 500-599, +30 210 55 16 500, +30 210 55
98 350, Fax: +30 210 55 99 612

THESSALONIKI: INDUSTRIAL PARK-SINDOS, S.B. 44,
STREET, DA 10, GR: 570 22, Tel: +30 2310 795 797, +30
2310 797 365, Fax: +30 2310 797 367

E-mail: info@durostick.co

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.