

# ACRYLIC



## Tile adhesive



### PROPERTIES

Cementitious, white adhesive for tiles, fortified with acrylic resins. Distinguished for its high initial and final bonding strengths, as it offers strong adhesion. It also has zero vertical slip and an extended open time. After its final curing, it is resistant to moisture and frost.

Classified C2TE per EN 12004 (MIRTEC/Cert. No. 3353).

### APPLICATIONS

ACRYLIC is suitable for small and large size tile installations, even of low absorbency, on floor cement screeds and plastered walls. It is applied in interior and exterior spaces. Adding DUROSTICK ACRYLIC EMULSION in the mixing water, at a ratio of 1:1, further enhances its characteristics so as to meet the requirements of S1 class (deformable adhesive) per EN 12002.

The improved (as per its flexibility) adhesive, is suitable for outdoor spaces that are exposed to adverse weather conditions or vibrations that generate, either from digging equipment working in adjacent areas or light earthquakes.

### USE

#### Surface preparation:

The application surface has to be sound, clean and free of loose materials, dust, paint, grease and oils. The surface has to be soaked before the application. It is necessary to prime all absorbent substrates and aircrete, using DUROSTICK ACRYLIC EMULSION or D-20, at a mixing ratio of 1:1 with water. It is necessary to prime all cement boards using the DUROSTICK micromolar stabilizer, AQUAFIX or SOLVENT BASED PRIMER. Lightweight or else, unstable cement screeds must necessarily be primed with DUROSTICK ACRYLIC EMULSION or D-20 at a ratio of 1-part additive to 2 parts water or 1 part DUROMAX to 5 parts water. Follow all balcony and terrace applications by coating the substrate with HYDROSTOP FLOOR, at 2-3 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

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mortar (6.5-7.0lt water to 25kg mortar or 1.3-1.4lt water to 5kg 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 notched trowel and spread on the substrate. Then, coat as much surface as is required to work for the next 15-30 minutes (depending on weather conditions), thus avoiding skin formation. Finally, install the tiles in the selected position by tapping softly with a rubber mallet.

### NOTE

On exterior surfaces, it is highly recommended to create expansion joints every 16-20m<sup>2</sup>. Prime the expansion joints with PRIMER-PU, to improve grip, fill them with the backer rod of DUROSTICK, DS-265, and seal them with the polyurethane sealant, DUROFLEX-PU. Similarly, seal all the joints (5-8mm) at the junction of the tiles and vertical surfaces throughout the perimeter. Alternatively, the application of DS POLYMER sealant, available in 32 colors (same ones with the grout colors of DUROSTICK), ensures sealing without cracking at the junction of the tiles with the skirting and above it as well.

### CONSUMPTION

3-5kg/m<sup>2</sup>, depending on the size of the notch of the trowel, the smoothness of the substrate and the dimensions of the tiles.

### CLEANING

Clean all tools with water, immediately after use.

### STORAGE

•**25kg Paper bag with valve:** At least 12 months from production date.

•**5kg Plastic bag:** At least 18 months from production date.

Store in factory sealed packages, in dry and shaded places.

### SAFETY DIRECTIONS

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

### PACKAGING

Carton box with 4 pcs. of 5kg each one on a 900kg pallet

Paper bag of 25kg on 1.050kg and 1.500kg pallet

TECHNICAL SPECIFICATIONS (Measurement conditions 23°C and 50% R.H.)	
Form - Color	Cementitious mortar - White
Toxic	No
Bulk density of dry mortar	1.35±0.05kg/lt
Slip per EN 1308	< 0.5mm
Water requirement:	6.5lt water per 25kg mortar
Application temperature	From +5°C to +35°C
Temperature resistance	From -35°C to +90°C
Pot life	5 hours
Application thickness	Up to 10mm
Open time per EN 1346	30 minutes
Time for minor adjustments:	25 minutes
Grouting	After 4-8 hours on wall, after 24 hours on floor
Foot traffic	After 24 hours
Delivery to use	After 12-14 days
PRODUCT PERFORMANCES	
Adhesion strength, per EN 1348, after:	
• 28 days	1.35 N/mm <sup>2</sup>
• Thermal ageing at +70°C	1.20 N/mm <sup>2</sup>
• Water immersion for 21 days	1.25 N/mm <sup>2</sup>
• 25 freeze - thaw cycles	1.20 N/mm <sup>2</sup>
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. 3353). NOTE: The product exceeds the statutory requirements for C2 adhesive.	

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<b>CE</b>	
<b>DUROSTICK S.A.</b> ASPROPYRGOS ATHENS PC:193 00 <b>GREECE</b> 07	
DoP No.: 005 <b>EN 12004:2007+ A1:2012</b>	
<b>DUROSTICK ΑΚΡΥΛΙΚΗ</b> Improved cementitious adhesive with reduced slip and extended open time Interior - exterior use	
- Reaction to fire:	Euroclass A1
- Release of dangerous substances:	see MSDS
Bond Strength as:	
- Tensile adhesion strength:	≥1.00 N/mm <sup>2</sup>
Durability for:	
- Tensile adhesion strength after heat ageing:	≥1.00 N/mm <sup>2</sup>
- Tensile adhesion strength after water immersion:	≥1.00 N/mm <sup>2</sup>
- Tensile adhesion strength after freeze-thaw cycles:	≥1.00 N/mm <sup>2</sup>

### DUROSTICK S.A.

MANUFACTURING OF ADHESIVES, PAINTS & MORTARS

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