



Thixotropic tile adhesive



■ PROPERTIES

White cementitious adhesive for ceramic tiles, with extended open time, high mechanical strengths and zero vertical slip. Apply it on walls and floors, in thicknesses of up to 10mm.

Classified C1TE per EN 12004 (MIRTEC/Cert. No. 3352).

■ APPLICATIONS

The thixotropic tile adhesive EXPERT, is suitable for installing single and double-fired tiles of all types (small sizes for outdoor applications, and all sizes for indoor ones), on walls and floors made of plaster or cement screed. Its high thixotropy allows for tile installation on walls, even from top down, without slipping. 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 C2TE class (improved cementitious adhesive)

per EN 12004 and S1 class (deformable adhesive), per EN 12002.

■ USE

1. Surface preparation:

The application surface has to be sound, clean, free of loose materials, dust, paint, grease and oil. 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 drywall 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 balconies, terraces applications by coating the substrate with



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HYDROSTOP FLOOR, at 2-3 successive, crosswise layers to ensure the waterproofing of the substrate.

2. Application:

Empty the adhesive into a clean container with cool water at a ratio of 2 parts water to 5 parts powder (6.5-7.0lt water to 25kg powder) and mix with a low speed, electric mixer 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 16-20m². 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.

■ CLEANING

Clean all tools with water, immediately after use.

■ CONSUMPTION

3-5kg/m², depending on the size of the notch of the trowel, the smoothness of the substrate and the dimensions of the tiles.

■ STORAGE

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

■ 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

Paper bag of 25kg on 1,500kg pallet

TECHNICAL SPECIFICATIONS

(Measurement conditions 23°C and 50% R.H.)

■ Form - Color	Cementitious mortar - White
■ Bulk density of dry mortar	1.35±0.05kg/lt
■ Vertical 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
■ Application thickness	Up to 10mm
■ Pot life	At least 5 hours
■ Open time per EN 1346	30 minutes
■ Time for minor adjustments	25 minutes
■ Grouting	After 3-6 hours on wall, after 24 hours on floor
■ Foot traffic	After 24 hours
■ Delivery to use	After 10-14 days

PRODUCT PERFORMANCES

■ Adhesion strength, per EN 1348, after:	
28 days	1.25 N/mm ²
Thermal ageing at +70°C	1.10 N/mm ²
Water immersion for 21 days	1.00 N/mm ²
25 freeze - thaw cycles	0.95 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. 3352).

NOTE: The product exceeds the statutory requirements for C1 adhesive.



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CE	
DUROSTICK S.A. ASPROPYRGOS ATHENS PC:193 00 GREECE 12	
DoP No.: 003 EN 12004:2007 + A1:2012	
EXPERT Normal setting 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:	≥ 1.00N/mm ²
Durability for:	
- Tensile adhesion strength after heat ageing:	≥ 1.00N/mm ²
- Tensile adhesion strength after water immersion:	≥ 1.00N/mm ²
- Tensile adhesion strength after freeze-thaw cycles:	≥ 1.00N/mm ²

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