

# GOLD



High performance deformable tile adhesive



## PROPERTIES

Cementitious, flexible white tile adhesive, fortified with acrylic resins. Distinguished for its strong adhesion, its zero vertical slip and resistance to moisture and frost. Its high thixotropy allows for coatings in thicknesses of up to 15mm without 'sagging' while it has an extended open time. Classified C2TE S1 per EN 12004 and per EN 12002. The measurements for the certification were performed in the accredited European institute TZÜS (No 0100-28453/28692).

## APPLICATIONS

GOLD is suitable for bonding low and non-absorbent tiles like granite, glass mosaic, cotto, klinker, porcellanato, porcellanato smaltato and decorative bricks, regardless of their dimensions. It is ideal for every kind of stable substrate, such as cement screeds, brushable cementitious substrates, prefabricated concrete walls, existing tiles, mosaic and marble. Distinguished for its endurance to indoor expansions and contractions associated with floor radiant heating

systems and to outdoor intense temperature variations, such as balconies and terraces. It provides excellent adhesion in areas with permanent moisture, such as swimming pools, fountains, bathrooms, showers etc. Its high thixotropy allows for wall tile installations top down. It is suitable for heavy traffic areas such as car showrooms, airport terminals, shopping malls, super markets, as well as catering halls and public areas in general. Adding DUROSTICK ACRYLIC EMULSION in the mixing water, at a ratio of 1:1, improves its technical characteristics, so as to meet the requirements of S2 class (highly 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 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

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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, bathroom and shower, fountain and swimming pool applications by coating the substrate with HYDROSTOP FLOOR, at 2-3 successive, crosswise coats to ensure the water-proofing 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 mortar (7.0-7.5lt water to 25kg mortar). Mix with a low rpm 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 evenly. 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. The application of the adhesive in the case of medium and large format tiles, is done by the method of double coating (on the substrate, but also on the tile).

### HELPFUL TIP

Installing tiles on high stress areas (balconies, terraces, swimming pools, garages) requires the use of high quality adhesives. This is because, besides the project assurance high quality adhesives provide, their cost is comparatively very small to the purchase value of the tiles as well as their installation cost by qualified professionals.

### 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. On floors with radiant heating systems, it is recommended to create expansion joints every 20m<sup>2</sup> and fill them with DS POLYMER sealant, available in 32 colors.

### CLEANING

Clean all tools with water, immediately after use.

### 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.

### STORAGE

- **25kg Paper bag with valve:** 12 months from production date.
- **5kg Plastic bag:** 18 months from production date.

Store in the 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 1.200kg pallet

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

<b>Form - Color</b>	Cementitious mortar - White
<b>Toxic</b>	No
<b>Bulk density of dry mortar</b>	1.30±0.05kg/lt
<b>Slip per EN 1308</b>	< 0.2mm
<b>Water requirement</b>	7.0lt water in 25kg mortar
<b>Application temperature</b>	From +5°C to +35°C
<b>Temperature resistance</b>	From -35°C to +90°C
<b>Application thickness</b>	Up to 15mm
<b>Pot life</b>	7 hours
<b>Open time per EN 1346</b>	30 minutes
<b>Time for minor adjustments</b>	30 minutes
<b>Grouting</b>	After 4-8 hours on wall; after 24 hours on floor
<b>Foot traffic</b>	After 24 hours
<b>Delivery to use</b>	After 12-14 days

### PRODUCT PERFORMANCES

#### Adhesion strength, per EN 1348, after:

- **28 days** ≥ 2.00 N/mm<sup>2</sup>
- **Thermal ageing at +70°C** ≥ 1.60 N/mm<sup>2</sup>
- **Water immersion for 21 days** ≥ 1.40 N/mm<sup>2</sup>
- **25 freeze - thaw cycles** ≥ 1.55 N/mm<sup>2</sup>

**Deformability S per EN 12002** 2.5mm ≤ S < 5mm

The experimental measurements were performed per EN 12004, in the Chemical Laboratory of DUROSTICK and were confirmed by the measurements of initial type from the TZÚS (No 0100-28453/28692).

Certified by the GEV institute in the top category EMICODE® label EC1 Plus given to products on the verge of technological innovation and extremely low percentage of volatile emissions. The product complies with the strictest environmental and health requirements.

**NOTE: The product exceeds on average the statutory requirements for C2 adhesive.**

<b>CE</b>	
<b>DUROSTICK S.A.</b> ASPROPYRGOS ATHENS PC:193 00 <b>GREECE</b> <b>07</b>	
DoP No.: 008 <b>EN 12004:2007+ A1:2012</b>	
<b>DUROSTICK GOLD</b> Improved deformable 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>

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