

## SPEED SET Tile adhesive



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

Form - Color	Cementitious mortar - White
Toxic	No
Bulk density of dry mortar	1.30±0.05kg/lt
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	40 minutes
Open time per EN 1346	10 minutes
Time for minor adjustments	15 minutes
Grouting	After 1 hour on wall; after 2-3 hours on floor
Foot traffic	After 2 hours
Delivery to use	After 4-6 days

### MECHANICAL STRENGTHS

Strength after 28 days, per EN 196-1, in:	
• flexion	5.30±0.80 N/mm <sup>2</sup>
• compression	17.20±1.00 N/mm <sup>2</sup>
Adhesion strength per EN 1348, after:	
• 6 hours	≥0,50 N/mm <sup>2</sup>
• 24 hours	0.60 N/mm <sup>2</sup>
• 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: 3374). The following instrumentation was used:

- Flexion-compression: CONTROLS MCCC66
- Detachment: BRAVE DYNATEST
- NOTE: The product exceeds on average the statutory requirements for C2 adhesive by 25%

### STORAGE

Store in factory sealed packages, in dry and shaded places for a minimum of 10 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

### PROPERTIES

Cementitious white adhesive, fortified with acrylic resins that develops early high strengths. The product is frost proof and suitable for absorbent and not tiles.

It develops its exceptional early mechanical strengths rapidly and presents zero vertical slip, even in conditions of intense permanent moisture.

It allows for same day installation and grouting when there are time constraints, trying to avoid unfortunate consequences from rainfall and sharp drops of the temperature, (below +4 °C), before any regular adhesive would have chance to mature.

Classified C2FT per EN 12004. (MIRTEC/Cert. No. 3374)

### APPLICATIONS

SPEED SET is suitable for installing all types of wall and floor tiles, absorbent or not.

Use it on floor cement screeds and plastered walls, as well as staircases, both indoors and out.

Necessary for patch work, and minor repair jobs.

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 S1 class (deformable adhesive) per EN 12002, but the addition increases its curing time.

### ADVANTAGES

- Surfaces can be grouted after 3 hours from the installation completion.
- Allows for foot traffic after 2 hours from the installation completion.

### 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 of 1:1 with water.

It is necessary to prime all drywall using the DUROSTICK micromolar stabilizer, AQUAFIX or the 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 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 mortar (6.5-7.0lt water to 25kg mortar) and mix with a low rpm electric mixer until a lump free, homogeneous mass is created.

Allow the mixture to mature for 5 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 required to work for the next 10 minutes (depending on weather conditions), thus avoiding skin formation. Finally, install the tiles in the selected position by tapping softly with a rubber mallet.

### 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.

**NOTE:** On outdoor 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, 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.