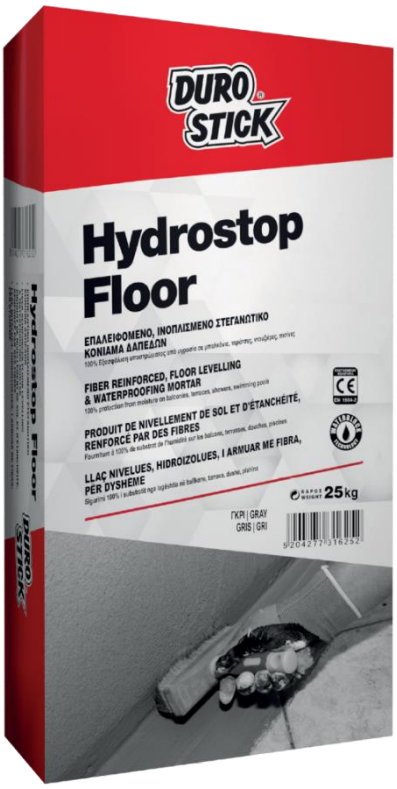
TECHNICAL DATA SHEET

HYDROSTOP FLOOR

Brushable, fiber-reinforced floor waterproofing mortar



QUALITY CONTROLLED CE EN 1504-2

■ PROPERTIES

Brushable, cement-based, waterproofing mortar that protects light weighted insulations from absorbing water, especially if they have cracks or are brittle and dusting.
Cracked tile and marble grouts turn lightweight filling mortar into water reservoirs.
This usual occurrence oxidizes the concrete rebars, and at the same time leads to plaster disintegration and peeling of the paints.
Classified as product for surface protection of concrete surfaces (c) per EN 1504-2 principle 1 IP (Protection against Ingress), principle 2 MC (Moisture Control), principle 5 PR (Physical Resistance), and principle 8 IR (Increasing Resistivity).

■ APPLICATIONS

HYDROSTOP FLOOR is necessary before installing tiles and marble, for sealing the substrate at swimming pools, showers, balconies, terraces, aircrete etc.
For surfaces exposed to intense temperature variations, surfaces with capillary cracks, and the joining sections of horizontal and vertical surfaces covered by skirting boards, the addition of the acrylic emulsion D-20 of DUROSTICK to the mixing water in a ratio of 1:1 up to 2:1 or DUROMAX in a ratio of 1:5 with water increases the flexibility of the product, its surface abrasion resistance, its grip as well as its watertightness.
It is also recommended that tile installation begins at least two days later.

■ USE

1. Surface preperation

The substrate must be clean, free of loose sections, dust, grease, and oils, and must be thoroughly soaked before application.

2. Application

HYDROSTOP FLOOR is applied at 2- 3 equal thickness crosswise coats of 1mm each, with the second coat applied 3 - 4 hours after the first one, with an emulsion brush, the 22cm styling roller of DUROSTICK or the back side of a notched trowel.

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Empty the mortar into a clean container with cool water, at a ratio of 7.0-7.5lt water to 25kg mortar, and mix with a low rpm electric mixer a lump-free, homogeneous mass is created.
The mixture remains workable for 120 minutes and each coat is applied while the previous one is still fresh (after about 3 hours). Soak the surface again if the previous coat dries. Protect the product for the next 24-48 hours from high temperatures, rain and frost.

CONSUMPTION
1.3kg/m2/mm thick coat.

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 packaging or the 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 - Gray
Bulk density of dry mortar	1.20±0.05kg/lt
Bulk density of fresh mortar	1.60±0.05kg/lt
Maximum grain size	0.6mm
Water requirement	7.0lt water in 25kg mortar
Application temperature	From +5°C to +30°C
Temperature resistance	From -20°C to +70°C
Application thickness	1mm/coat
Pot life	2 hours
Foot traffic	After 3 hours
Tile installation	At least 48 hours after the application
Permaebility per DIN 1048	Up to 7Atm (kg/cm²) in water pressure

PRODUCT PERFORMANCES	
Resistance to abrasion per EN ISO 2409	Weight loss < 3000 mg
Permeability S_D in CO_2 per EN 1062-6 (method A)	s_D > 50 m
Water vapour permeability S_D per EN ISO 7783	s_D < 5m (water vapour **class I**)
Capillary absorption and water permeability per EN 1062-3	w ≤ 0.1 kg/m^2·h$^{0.5}$
Adhesion strength per EN 1542	≥ 1.00 N/mm²
Impact resistance per EN ISO 6272-1	50Nm (**class III**)
Reaction to fire	Class A1

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