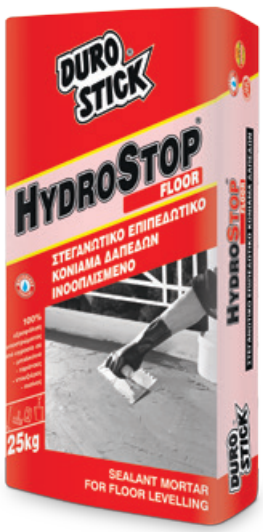
HYDROSTOP FLOOR Fiber reinforced floor levelling & waterproofing mortar



QUALITY CONTROLLED CE EN 1504-2

WATERBLOCK TECHNOLOGY

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

Form - Color	Cementitious mortar - Gray
Toxic	No
Maximum grain size	0.6 mm
Bulk density of dry mortar	1.20±0.05 kg/lt
Bulk density of fresh mortar	1.60±0.05 kg/lt
Water requirement	7.0 lt water in 25 kg mortar
Application temperature	From +5°C to +30°C
Temperature resistance	From -20°C to +70°C
Pot life	2 hours
Tile installation	At least 48 hours after completion of application
Coat thickness	1 mm/coat
Foot traffic	After 3 hours
Water impermeability per DIN1048	In water pressure of up to 7Atm (kg/cm²)

MECHANICAL STRENGTHS

Strength after 28 days, per EN 196-1, in:	
• **flexion**	7.00±1.00 N/mm²
• **compression**	25.00±1.00 N/mm²
Shrinkage per ASTM C596:	Zero
Permeability S_D in CO_2 per EN 1062-6:	S_D > 50 m
Water vapour permeability S_D per EN ISO 7783-2:	S_D < 5 m [**class I**, (water vapour permeable)]
Capillary absorption of water (c) per EN 1062-3:	w < 0.1 kg/m²·h$^{0.5}$
Adhesion to concrete per EN 1542:	> 1.00 N/mm²

CONSUMPTION

1.3kg/m²/mm thick coat.

STORAGE

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

SAFETY DIRECTIONS

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

PACKAGING

Paper bag of 25kg on 1,500kg pallet

PROPERTIES

Fiber reinforced, brushable cementitious mortar that protects, from water absorption, light weight filling materials to be covered with cement screeds.
The protection is essential when those surfaces crack or they are unstable and dusting.
Penetration points, like cracked grout joints around tiles and marble, will soak lightweight fill materials, storing water within them.
A frequent occurence, resulting in the oxidization of the concrete steel reinforcement (rebars). The penetrating water gradually oxidizes them, and equally disintegrates the plaster and paint on the surfaces underneath resulting in bursting and peeling.
Classified as a protective for concrete surfaces (c) per EN 1504-2.

APPLICATIONS

HYDROSTOP FLOOR is absolutely necessary before installing tiles and marble, to waterproof substrates in swimming pools, bathrooms and showers, balconies, as well as terraces and aircrete.
Necessary for surface protection from moisture and their smoothing out.
Surfaces with hairline cracks, exposed to intense temperature variations, as well as any intersecting points of vertical with horizontal surfaces to be covered with skirting boards, require flexible sealing.
The addition of DUROSTICK D-20, acrylic emulsion in the mixing water, at a ratio of 1 part D- 20 to 1 to 2 parts water or 1 part DUROMAX to 5 parts water, will increase the flexibility of the product, its surface resistance to abrasion, its adhesion, and will also increase its waterproofing properties.
It is highly recommended to tile after at least two days.

USE

1. Surface preparation

Clean all surfaces from dust, oils, grease, loose debris, and necessarily rinse with water thoroughly.
Empty the mortar into a clean container with cool water, at a ratio of 7.0-7.5lt of water to 25kg of mortar, and mix with a low rpm electric mixer or a clean cement mixer, until a lump free, homogeneous mass is created.

2. Application

Apply HYDROSTOP FLOOR, on soaked surfaces, in 2-3 crosswise layers of equal thickness, 1mm each, with 3-4 hours between coats. Use an emulsion brush (pic.2), roller (pic.3), or a floor squeegee or even the flat side of a notched trowel (pic.1) used for tile installations, to apply the product.
If the time between coats is more than 3-4 hours, then soak the surface again.

NOTES

- The newly coated surface must be protected from rain or frost for the next 24 hours, after completion of each coat.
- The product, after hardening, is harmless to health.


pic. 1


pic. 2


pic. 3

GROUT COLOR CHART

△ Ultrafine 0-3mm □ Fine 1-10mm ○ Sanded 5-20mm

WHITE - No 301 △□○	**BEIGE** - No 307 △□○	**ANEMONE** - No 319 △□	**BAHAMA** - No 320 △□
MAGNOLIA - No 321 □	**PEECH** - No 313 □	**LIGHT BRICK RED** - No 318 □	**BRICK RED** - No 310 □
LIGHT BROWN - No 308 □	**CHOCOLATE** - No 317 □	**TERRACOTTA** - No 325 □	**DARK BROWN** - No 309 □
OCHRE - No 326 □	**YELLOW** - No 311 □	**LEMON** - No 328 □	**ORANGE** - No 314 □
IVORY - No 312 □	**TABBACCO** - No 316 □	**GREEN** - No 306 □	**CLOVER** - No 332 □
ARGENT GRAY - No 315 □	**LIGHT GRAY** - No 302 △□○	**DARK GRAY** - No 303 □○	**BLACK** - No 304 □
LIGHT BLUE - No 322 □	**MINT** - No 323 □	**BLUE** - No 305 □	**AEGEAN** - No 330 □
PINK - No 327 □	**VIOLET** - No 324 □	**FUCHSIA** - No 331 □	**RED** - No 329 □

Any discrpancies between the color chart and the end result are due to the limited precision of the printing process