

# DUROSTICK 52,5 PLUS



Hydraulic cement-based binder



## PROPERTIES

Hydraulic cement-based binder for the creation of mortars, mixed with reinforcing additives. Offers extended life span and incomparable strength to the constructions where it is applied. Distinguished for its great resistance to adverse weather conditions, and to abrasion; it reduces the effects from corrosive water attacks, minimizing its ability to penetrate and corrode cement mortars. **Available in white and gray colors.** Classified CC R2 per EN 1504-3.

## ADVANTAGES

- Exceptional strength
- High standards
- Multiple applications
- Consistent composition
- Economic packaging.

## APPLICATIONS

DUROSTICK 52,5 PLUS is exceptionally suitable for the creation of top quality repair and sealing mortars, mortar coving around roofs, plaster repairs, building mortars, cement floor screeds

before they are lined with marble, wood flooring, microcement etc. Ideal for minor patches, repairs, the creation of decorative objects and for any other work that requires the use of white or gray cement. When mixed in any proportion with common cement, it will increase its strength. The choice of using pigments, DUROCOLOR POWDER-C (inorganic oxides in powder form, coated with vinyl resins) for coloring the WHITE 52,5 PLUS, greatly broadens the ability to create many different types of colored mortars.

## USE

### 1. Surface preparation

The substrate must be free of dust and loose materials and must be thoroughly soaked or primed using the micromolecular stabilizer AQUAFIX of DUROSTICK before the application.

### 2. Application

Depending on the application, it can be mixed with any kind of aggregates (sand, gravel, etc), as well as with lime or DUROSTICK DUROLIT (product replacing lime), just like ordinary ce-

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ment. It can also be mixed with improving additives such as D-20, DUROSTOP or DUROMAX of DUROSTICK at a mixing ratio from 1:1 up to 1:5 with water, increasing the flexibility, the adhesion and the waterproofing of any cement and lime mortars.

### CONSUMPTION

Depending on the application.

### NOTES

- A 10lt bucket can fit about 16kg of sand.
- After hardening, the product is harmless to health and the environment.

### STORAGE

Store in the factory sealed packages, in dry and shaded places for at least 12 months from production date.

### SAFETY DIRECTIONS


The product contains Portland cement. Before use, read the safety instructions on the product packaging or the Material Safety Data Sheet.

### PACKAGING

Carton box with 6 pcs of 4kg each one

TECHNICAL SPECIFICATIONS ( <i>Measurement conditions 20°C and 50% R.H.</i> )	
Form - Color	Hydraulic mortar - White, Gray
Toxic	No
Bulk density of dry mortar	1.00±0.05kg/lt
Bulk density of fresh mortar	1.80±0.05kg/lt
Maximum grain size	125µm
Application temperature	From +5°C to +35°C
Temperature resistance	From -20°C to +100°C
Water requirement	1.6lt water in 4kg mortar
Pot life	2 hours
Chlorides content per EN 1015-17	< 0.01%

PRODUCT PERFORMANCES	
<b>Flexural strength, per EN 12190, after:</b>	
•28 days	≥10.00 N/mm <sup>2</sup>
<b>Compressive strength, per EN 12190, after:</b>	
•24 hours	≥ 15.00 N/mm <sup>2</sup>
•7 days	≥ 35.00 N/mm <sup>2</sup>
•28 days	≥ 52.50 N/mm <sup>2</sup>
Adhesion to concrete per EN 1542	> 1.00 N/mm <sup>2</sup>
Adhesion after 50 freeze - thaw cycles per EN 13887-1	≥ 2.00 N/mm <sup>2</sup>
Capillary water absorption w per EN 13057	w < 0.30kg.m-2.h-0,5
Reaction to fire per EN 13501-1	Euroclass A1

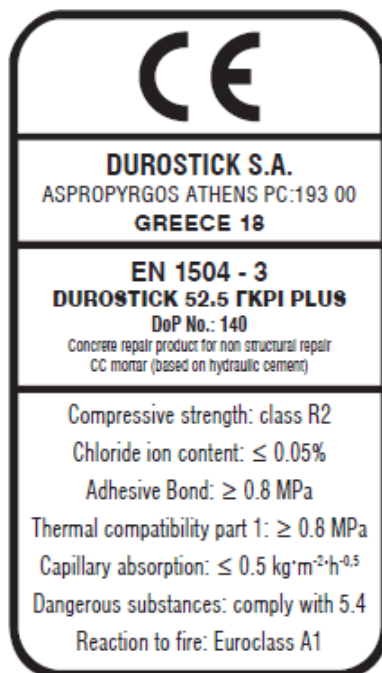
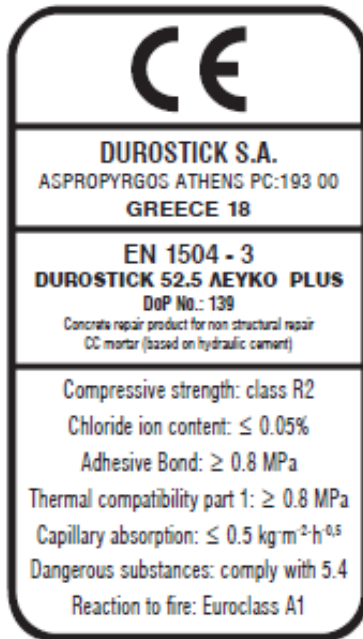
INDICATIVE WAYS OF USE					
MORTAR	WHITE, GRAY 52,5 PLUS	SAND TYPE	lt OF SAND IN A 10R BUCKET	WATER	D-20
Cement screed, up to 2cm thick	 4 kg	RIVER/SEA SAND	8lt	1.5lt	1lt
Cement screed, up to 3-4cm thick		RIVER/SEA or CONCRETE SAND	8lt	1.5lt	1lt
Cement screed, up to 4-5cm thick		CONCRETE	8lt	2lt	1lt
Repair mortar, up to 2cm thick		RIVER SAND or CONCRETE	8lt	15lt	1lt
Repair mortar of thicknesses greater than 2cm		CONCRETE or COARSE	8lt	1lt	1lt
Coving mortar for wall and floor junctions		CONCRETE or COARSE	8lt	-	3lt
Plaster restoration mortar		CONCRETE	10lt	2lt	1lt

The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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