

DUROSTICK D-11 SUPER FAST



Fast setting cementitious repair mortar



PROPERTIES

Fast setting and high early strength repair mortar, for interior and exterior use. The addition of water produces a mixture which is workable for 7 minutes, while the hardening process begins within 15 minutes. The strength it develops in one hour is equivalent to that of a regular cement mortar after 24 hours of curing time. Classified PCC R2, as concrete repair product, per EN 1504-3.

ADVANTAGES

- Develops early mechanical strength.
- Exceptional adhesion in the substrate and excellent workability.
- Minimal shrinkage, without cracking.
- Resistant to frost, moisture, carbonation, and corrosion by chemicals, such as nitrates, sulfates, and chlorides.
- Does not contain chlorides or corrosive ingredients.
- Ideal for applications where quick project delivery is essential.

APPLICATIONS

D-11 SUPER FAST is recommended for safe and quick bonding when performing electrical and plumbing installations. Suitable for installing electrical panels and junction boxes, having comparative compression strength 40 times greater than traditional plaster, and without the potential risk of deterioration from moisture and rain. It is necessary for all utility wells and manholes. It is suitable for anchoring machinery and equipment, and also for the installation of metal railings and wrought iron balusters on concrete walls. Use it also to bond the fiberglass mesh for plasters/renders on interior and exterior surfaces. It is highly effective for sealing holes in concrete walls, floors and ceilings and for installing corner beads.

USE

1. Surface preparation

The substrate must be clean, free from loose material, dust and oils. It should be soaked thoroughly to ensure high adhesion.

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2. Application

Empty D-11 SUPER FAST in a clean container with water, at a mixing ratio of 3kg mortar to 0.7-0.8lt water, depending on the application. Mix thoroughly, until a lump free, homogeneous mass is created. Each coat can be applied to a thickness of up to 3cm.

NOTES

- Apply a coat of corrosion inhibitor, RUST FREE POWDER of DUROSTICK to any metal surface that will be coated with D-11 SUPER FAST.
- After hardening, the product is harmless to health and the environment.

CONSUMPTION

Depending on the application. Approximately 1.8kg of D-11 SUPER FAST to make 1lt of cured mix.

STORAGE

Store in the factory sealed packages, in dry and shaded places, protected from moisture and frost, for at least 10 months from 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.

ATTENTION

Do not mix the product with additional water once it starts to set, because it will lose its mechanical strengths.

PACKAGING

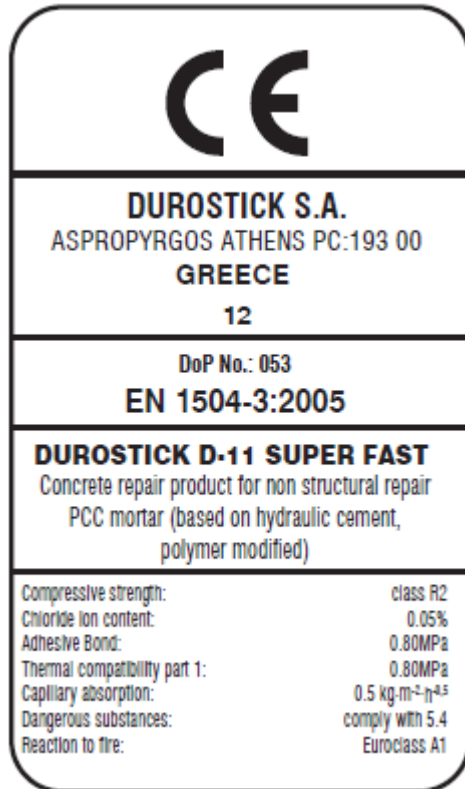
Carton box with 8 pcs of 3kg each one on 504kg pallet

TECHNICAL SPECIFICATIONS (<i>Measurement conditions 20°C and 50% R.H.</i>)	
Form - Color	Cementitious mortar - Gray
Toxic	No
Bulk density of dry mortar	1.42±0.05kg/lt
Bulk density of fresh mortar	2.00±0.05kg/lt
Maximum grain size	0.7mm
Water requirement	0.7lt water to 3kg mortar
Application temperature	From +5°C to +30°C
Temperature resistance	From -30°C to +200°C
Pot life	7 minutes
Shrinkage per ASTM C596	Negligible
Resistance to continuous exposure to water	Excellent
Chloridess content per EN 1015-17	< 0.05%
PRODUCT PERFORMANCES	
Flexural strength, per EN 12190, after:	
•28 days	≥ 5.00 N/mm ²
Compressive strength, per EN 12190, after:	
•24 hours	≥ 6.50 N/mm ²
•7 days	≥ 14.00 N/mm ²
•28 days	≥ 22.00 N/mm ²
Adhesion to concrete, per EN 1542	≥ 1.20 N/mm ²
Thermal compatibility expressed as adhesion to concrete, per EN 13687, after:	
•50 freeze-thaw cycles •30 storm cycles •30 dry heat cycles	≥ 1.00 N/mm ²
Capillary water absorption w, per EN 13057	w ≤ 0.45kg.m-2.h-0,5
Reaction to fire, per EN 13501-1	Euroclass A1
Where 1N/mm ² =1MPa	

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DUROSTICK S.A.

MANUFACTURING OF ADHESIVES, PAINTS & MORTARS

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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.