

3.5 Repair mortars

DUROSTICK D-11 SUPER FAST Fast setting cementitious repair mortar



TECHNICAL SPECIFICATIONS (Measurement conditions 20 °C and 50% R.H.)

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
Chloride content per EN 1015-17	< 0.05%

MECHANICAL STRENGTHS

Flexural strength, per EN 12190, after:	
• 28 days	7.50±1.00 N/mm ²
Compressive strength, per EN 12190, after:	
• 24 hours	8.00±1.50N/mm ²
• 7 days	15.0±1.50N/mm ²
• 28 days	25.00±1.00N/mm ²
Adhesion to concrete, per EN 1542	≥ 1.60 N/mm ²
Adhesion after 50 freeze-thaw cycles, per EN 13687-1	≥ 1.55 N/mm ²
Capillary water absorption w per EN 13057	w < 0.45 kg/m ² .h ^{0.5}

CONSUMPTION

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

STORAGE

Store in 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

If the product is remixed with water when it starts to set, its strength will be compromised.

PACKAGING

Carton box with 8 pcs. of 3kg each one

PROPERTIES

Fast setting, high early strength repair mortar, for interior and exterior use. It is ideal for projects requiring speed of execution and/or quick delivery.

It does not contain chlorides or corrosive ingredients. The addition of water is producing a mixture which is workable for 7 minutes (pic.1), 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.

It offers high resistance to frost, moisture, carbonation and corrosion from chemicals, such as nitrate, sulfate and chloride salts. It also offers high adhesion to the substrate, excellent workability, minimal shrinkage, and it does not crack. Certified as concrete repair product in category PCC R2, per EN 1504-3.

APPLICATIONS

D-11 SUPER FAST is recommended for securing and quick bonding of the fiberglass mesh for plasters/renders on interior and exterior surfaces. It is suitable for installing electrical panels and junction boxes (pic.2), while having comparative compression strength 40 times greater than traditional plaster, and without the potential risk of deteriora-

tion 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 columns on concrete walls. 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 grease. It should be soaked thoroughly to ensure high adhesion.

2. Application

Empty D-11 SUPER FAST in clean water, at a mixing ratio of 3kg mortar to 0.7-0.8lt water, depending on the application. Mix thoroughly, until the mixture is lump free and consistent. 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 covered with D-11 SUPER FAST.
- After hardening, the product is harmless to health and to the environment.



pic. 1



pic. 2