

DUROSTICK D-64



Self levelling fast setting cement screed for levelling floors, for thicknesses of 3-30mm



PROPERTIES

Pourable, self-levelling cement screed for levelling floors in thicknesses from 3-30mm. It is fast setting and curing, without any shrinkage-related cracks. Distinguished for its high mechanical strength against abrasion, compression and impacts. Also distinguished for its strong adhesion to any mineral substrate. It presents excellent rheology, workability and has the ability to be pumped.

Classified CT-C50-F15-AR2, per EN 13813.

APPLICATIONS

DUROSTICK D-64 is ideal for the levelling and smoothing of concrete floors made of concrete, cement screed or existing mosaics. The newly created level floor can be lined with marble, tiles, vinyl flooring, carpet, hardwood flooring, micro-cement, etc. Suitable for interior floor applications. The ideal solution for preparing substrates to accept heavy loads (weights) and heavy traffic. Also ideal for installations over floor radiant heating system, providing that the expansion joints of the substrate/slab are maintained

throughout. The product yields a smooth, durable surface with abrasion resistant properties, naturally making it the ideal choice to create new, interior floor linings in shopping malls, supermarkets, stores, exhibition centers, etc., before their lining.

USE

Surface preparation

Make sure substrates are stable (strong, sound), without cracks, gaps and free from loose materials, dust, oils and grease. It is necessary to prime all absorbent substrates with the micromolar stabilizer AQUAFIX of DUROSTICK. It is necessary to prime all non-absorbent substrates with the quartz based bonding primer DS-290 of DUROSTICK. Pour the product after the primer has dried thoroughly (approximately 2 hours later).

Application

Empty the mortar into a clean container with cool water, at a ratio of 4.5-4.75lt water to 25kg mortar, and mix with a low-rpm drill until a lump-free,

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homogeneous mass is created. For larger quantities use the appropriate mixing equipment. Allow the mixture to mature for 1-2 minutes and mix again. Starting from a corner, apply the product using a floor squeegee or a wide notched trowel, and assist into distributing the product evenly on the entire floor. Remove any air bubbles using a wide, stiff street broom or a spiked floor roller.

NOTES

- For surfaces greater than 50m², it is necessary to create expansion joints every 20-25m², thus avoiding future cracks on the surface. The joints should be primed with PRIMER-PU and sealed using DUROFLEX-PU or DUROSTICK.
- Do not use the product when it begins to set. The mixture should not get remixed with additional water.
- Do not add anything into the mortar (cement, gypsum, hydrated lime or regular lime etc) or improving additives.
- Do not apply on substrates affected by rising damp.
- The screed surface must be protected from sunlight, high temperatures and wind, until it cures, to prevent its premature dehydration.
- D-64 can be lined as soon as it hardens. The complete cure time of the mortar depends on the application thickness and temperature and the relative humidity of the environment, as well as the temperature of the substrate.
- Once cured, the product is harmless to health and the environment.

CONSUMPTION

Approximately 1.7kg/m²/mm thick coat.

CLEANING

Clean all tools with water, immediately after use.

STORAGE

Store in the factory sealed packages, in dry and shaded places, for at least 8 months from production date.

PACKAGING

Paper bag of 25kg on 1,200kg pallet.

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TECHNICAL SPECIFICATIONS (Measurement conditions 23°C and 50% R.H.)	
Form - Color	Cementitious mortar - Gray
Toxic	No
Maximum grain size	2 mm
Bulk density of dry mortar	1.15 ± 0.05kg/lt
Bulk density of fresh mortar	2.10±0.05kg/lt
Slip per EN 1308	<0.5 mm
Water requirement:	4.5lt water in 25kg mortar
Application thickness	3-30mm
Pot life	30-40 minutes
Application temperature	From +5°C to +30°C
Substrate temperature	From +5°C to +25°C
Temperature resistance	From -30°C to +80°C
Cure time (self-levelling):	60 minutes
Foot traffic	After 3 hours
Accepts lining after	One-three days, depending on the application thickness and the ambient temperature.
PRODUCT PERFORMANCES	
Flexural strength, per EN 13892-2, after	
24 hours	4.50±0.50 N/mm ²
7 days	6.00±0.50 N/mm ²
28 days	16.00±1.00 N/mm ²
Compressive strength, per EN 13892-2, after:	
24 hours	18.50±1.00 N/mm ² ,
7 days	35.00±1.00 N/mm ²
28 days	51.50±1.00 N/mm ²
Adhesion to Concrete, per EN 13892-8, in	
28 days	≥ 2.0±0.10 N/mm ²
Abrasion resistance BCA per EN 13892-4	152±20µm.



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