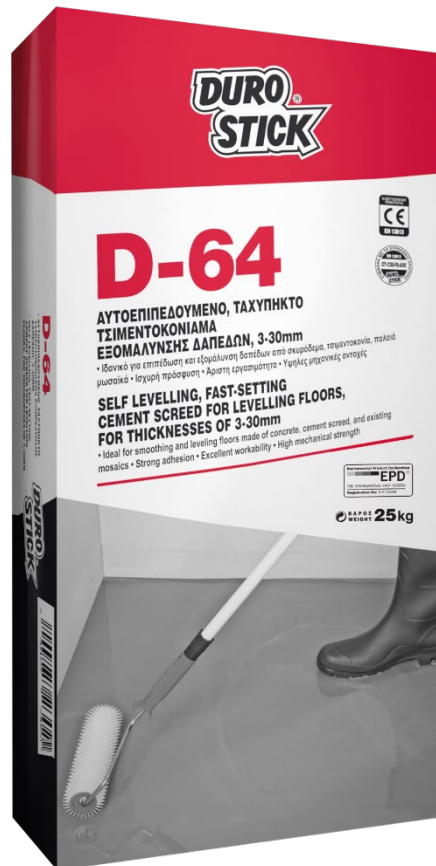


# D-64



**Self-leveling, fast setting cement screed for smoothing floors, for thicknesses of 3-30mm**



## ■ PROPERTIES

Pourable, self-leveling cement screed, for thicknesses from 3 up to 30mm. It is fast setting and curing, without forming any shrinkage-related cracks. Distinguished for its high mechanical strength against abrasion, compression and impacts. Also distinguished for its strong adhesion to any sound mineral substrate. It presents excellent rheology, workability and has the ability to be pumped. Classified CT-C50-F15-AR2 per EN 13813. The product has received an Environmental Product Declaration (EPD) following an assessment of the environmental impact of its life cycle. Registration number: S-P-13769, The International EPD® System.

## ■ APPLICATIONS

DUROSTICK D-64 is ideal for rapid leveling with a coating of up to 30mm thick per coat, and for smoothing concrete floors, cement screeds or existing mosaics to be lined with marble, tiles, vinyl flooring, carpet, hardwood flooring, microcement etc. Suitable for interior floor applications. Ideal solution for preparing substrates to accept heavy loads (weights) and heavy traffic as well as floors over radiant floor heating systems, provided that the expansion joints of the substrate/slab are maintained throughout. It yields a smooth, durable finish surface with abrasion resistant properties, naturally making it the ideal choice for constructing new interior floors in shopping malls, supermarkets, stores, exhibition centers, before their lining.

The technical specifications and directions of use contained in this technical data sheet 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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### ■ USE

#### 1. Surface preparation

Make sure substrates are stable (strong, sound), without cracks, gaps and free from dust, oils, grease and loose materials. 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 grip primer DS-290 of DUROSTICK. Pour the product after the primer has dried thoroughly (approximately 2 hours later).

#### 2. 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 electric mixer until a lump-free, 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 50m<sup>2</sup>, it is necessary to create expansion joints every 20-25m<sup>2</sup>, thus avoiding future surface cracks. The joints should be primed with PRIMER-PU and sealed using DUROFLEX-PU of DUROSTICK.
- Once it starts to set, the product should not be used or mixed with water again.
- 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 solar radiation, high temperatures and wind, until it cures, to prevent its premature dehydration.
- D-64 can be lined as soon as it cures. Its complete cure time depends on the application thickness, the temperature and the relative humidity of the environment, as well as the temperature of the substrate.

### ■ CLEANING

Clean all tools with water, immediately after use.

### ■ CONSUMPTION

Approximately 1.7kg/m<sup>2</sup>/mm thick coat.

### ■ STORAGE

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

### ■ SAFETY DIRECTIONS

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

### ■ PACKAGING

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

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| <b>TECHNICAL SPECIFICATIONS</b><br>(Measurement conditions 23°C and 50% R.H.) |  |
|---|--|
| ■ Form - Color  | Cementitious mortar - Gray   |
| ■ Maximum grain size  | 2mm  |
| ■ Bulk density of dry mortar  | 1.15±0.05kg/lt   |
| ■ Bulk density of fresh mortar  | 2.10±0.05kg/lt   |
| ■ 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-leveling)   | 60 minutes   |
| ■ Foot traffic  | After 3 hours  |
| ■ Accepts lining  | After one-three days, depending on the application thickness and the ambient temperature |

| <b>PRODUCT PERFORMANCES</b>                    |                              |
|--|------------------------------|
| ■ Flexural strength, per EN 13892-2, after:    |                              |
| • 24 hours                                     | 4.50±0.50 N/mm <sup>2</sup>  |
| • 7 days                                       | 6.00±0.50 N/mm <sup>2</sup>  |
| • 28 days                                      | 16.00±1.00 N/mm <sup>2</sup> |
| ■ Compressive strength, per EN 13892-2, after: |                              |
| • 24 hours                                     | 18.50±1.00 N/mm <sup>2</sup> |
| • 7 days                                       | 35.00±1.00 N/mm <sup>2</sup> |
| • 28 days                                      | 51.50±1.00 N/mm <sup>2</sup> |
| ■ Strength of 28 days, per EN 13892-8, in:     |                              |
| • Adhesion                                     | ≥ 2.0 N/mm <sup>2</sup>      |
| ■ Abrasion resistance BCA per EN 13892-4       | 152±20µm                     |
| ■ Reaction to fire                             | Class A1                     |

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