

INNO-DECO FOX DOMINO® MULTI FD781

Cement based, self-leveling, ready to use floor coating with a natural concrete looking

Description

FOX DOMINO® MULTI FD781, is a cement-based, self-leveling, natural concrete-looking, high-strength, colorable decorative leveling screed that can be applied up to 3-10 mm thickness, ready to use as a topcoat.

Fields of Application

- Stores and showrooms,
- Schools
- Offices,
- Hotels, restaurants and cafes,
- Residences,
- Supermarkets,
- Shopping centers,
- As a topcoat decorative coating

Advantages

- Has high strength.
- It gets fast setting.
- Can be applied with a pump.
- Provides fast and easy application opportunity.
- Provides the opportunity to use it as a topcoat.
- Can be polished and given pattern.
- It is economical.
- Mixed only with water.
- It is self-leveling.

Technical Data

Structure of Material			Mineral fillers and polymer reinforced, special cement
Color			Natural Grey
Dry Density			1,35 ±0,05 kg/lit
Fresh Mortar Density			1,75 ±0,05 kg/lit
Spreading			25 ±1 cm
Working Time			45 dk.
Application Thickness			3 - 10 mm
Temperature of the Ground to be Applied			+10°C / +25°C
Walkable Time on It			24-48 hours
Compressive Strength	TS EN 12190	3 days	≥9 N/mm ²
Compressive Strength	TS EN 12190	7 days	≥17 N/mm ²
Compressive Strength	TS EN 12190	28 days	≥25 N/mm ²
Flexural Strength	TS EN 12190	3 days	≥3,5 N/mm ²
Flexural Strength	TS EN 12190	7 days	≥5,5 N/mm ²
Flexural Strength	TS EN 12190	28 days	≥7,6 N/mm ²
Compatibility for Underfloor Heating			Suitable
Compatibility for Moving Chair			Suitable

The above values are given for +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures extend the time.

Surface Quality

The concrete substrates on which the application will be made must be durable and have sufficient compressive strength (minimum 25 N/mm²). Tensile strength must be at least 1.5 N/mm², humidity ratio must be maximum 4%, ground temperature must be minimum +10°C. In addition, care should be taken to ensure that the dew point of the floor is above +3°C. The substrate must be clean, dry and free of any foreign matter such as dirt, oil, grease, coating, surface curing materials that will prevent adhesion to the surface.



Application Procedure

Preparation of the Substrate

The concrete substrates on which the application will be made should be prepared using abrasive equipment (Shot blasting, freze, elmas silim vb.) to remove the cement slurry and obtain an open porous surface. Weak concrete pieces should be removed from the surface, small gaps and holes should be made completely open. The resulting dust should be cleaned with the help of industrial vacuum cleaner.

Mixing

Put the amount of water indicated on the packaging into a clean mixing bowl. Add **FOX DOMINO® MULTI FD781** to water slowly and mix with an electric mixer and suitable mixing tip for 3-4 minutes at 600/1000 rpm/minutes until you get a homogeneous mixture. The material should not be allowed to lump at the bottom of the bucket and these lumps should be dispersed. After waiting for about 1 minute, mix for 1 more minute and make it ready for use.

Mixing Ratios

Approximately 5.00±0.25 lt of water should be used for 25 kg / 1 bag of **FOX DOMINO® MULTI FD781**.

Approximately 200±10 ml of water should be used for 1 kg of **FOX DOMINO® MULTI FD781**.

Application

Priming

The floor must be primed in order to increase the adherence of the **FOX DOMINO® MULTI FD781** leveling screed to the floor, to reduce the air bubbles that will form and to prevent the mixing liquid from being absorbed by the floor. In the selection of primer, the surface properties should be examined and the time requirement should be calculated. According to the floor structure, the surface should be primed with a suitable primer of **FOX EPOTHANE®** series, while the material is still wet, silica sand 40-45 Afs (0,2-0,5 mm) should be sprinkled on it, and the primer should be allowed to dry for a **minimum of 12 hours** (24 hours depending on weather conditions). After scraping off the excess remaining on the surface with a scraper, the non-adherent sands should be cleaned with the help of an industrial vacuum cleaner and **FOX PRIMERA FL220/FOX UNIPRIMER FL555** primer application should be started.

Coating

FOX DOMINO® MULTI FD781 is poured onto the surface and applied at the desired thickness with a comb or a suitable trowel. While **FOX DOMINO® MULTI FD781** is wet, it can be patterned with a suitable trowel or hand tool according to the desired decor.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water. **FOX DOMINO® MULTI FD781** can only be mechanically cleaned from the surface after hardening.

Consumption

To obtain 1 mm thickness, 1.75 kg/m² **FOX DOMINO® MULTI FD781** should be used.

Watch Points

- In the application of **FOX DOMINO® MULTI FD781**, if the ambient and surface temperature is below +10°C or above +25°C, suitable temperatures should be expected
- The applied fresh product should be protected from sunlight and wind so that it does not dry quickly.
- Application should not be applied in extremely hot, rainy and windy weather.
- The materials to be used should be brought to the application area 1-2 days in advance, stored and adapted to the ambient conditions.
- In applications to be made in extremely cold weather, the ambient and floor temperature should be increased with heaters, and the materials to be used should be conditioned at +20°C - +25°C and made ready for application.
- Working and reaction times of cement based systems are affected by ambient and ground temperature and relative humidity in the air. At low temperatures, the reaction slows down, which increases pot life and working time. High temperatures accelerate the reaction and the times mentioned above are shortened accordingly.
- In order for the material to complete its curing, the floor temperature and ambient temperature to be applied must not fall below the minimum allowed value.
- After mixing, the material should be rested and then mixed again.

Package

25 kg Polyethylene reinforced craft bag



Shelf Life

When stored under appropriate storage conditions, shelf life is 12 months from the date of production. Opened packages should be consumed within 1 week by closing its lids.

Storage

Should be stored in its original package, in a cool and dry place protected from frost. In short-term storage, maximum 3 pallets should be placed on top of each other and shipment should be made with the first-in, first-out system. In long-term storage, pallets should not be placed on top of each other.

Safety Precautions

It is dangerous to approach the storage and application areas with fire. Storage and application areas should be ventilated.

During the application, work clothes, protective gloves, goggles, masks in accordance with the occupational health and safety rules should be used. During storage and application, the material should not be contacted with the skin and eyes, if contacted, should be washed immediately with plenty of water and soap, and if swallowed, should be sought medical attention immediately. Foods and drinks should not be taken into the application areas. The material should be stored out of the reach of children.

For detailed information, please refer to the Material Safety Data Sheet.

Disclaimer

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