

# INNO-CRETE FOX DOMINO® MULTI FD746

## High Strength, Fast Setting, Leveling and Filling Mortar

### Description

Cement based, special mineral fillers, developed for areas requiring high strength in a short time, non-shrinking, high strength, fast-setting leveling and filling mortar used for filling, correcting and making ready for coating broken and cracked places on the wall and floor, applied in thicknesses between 2-30 mm.

### Fields of Application

- Repair and leveling of surface defects of concrete structural elements,
- Surface leveling or repair works before coating tiles, ceramics, marble, etc,
- To obtain a solid and smooth surface before epoxy, polyurethane etc. floor coatings,
- Repair and leveling of stair steps and landings,
- On surfaces where a slope is desired to be created on the surface,
- Used for sub-surface repairs before self-leveling screed applications,
- Leveling of concrete surfaces before waterproofing and surface leveling of areas repaired with structural repair mortars,
- Repair of wall and ceiling plaster,
- It is used to obtain a smooth and impermeable surface on concrete surfaces before painting.

### Advantages

- Gains strength fast, can be opened to traffic 2-3 hours after application.
- Mix only with water
- It has high compressive strength.
- Does not decompose and does not vomit water.
- Resistant to freeze - thaw cycle.

### Technical Properties

Material Structure		Special cement and mineral fillers
Fresh Mortar Density		1,80±0,05 kg/lit
Compression Strength	1 day	≥9,0 N/mm <sup>2</sup>
	7 days	≥15,0 N/mm <sup>2</sup>
	28 days	≥20,0 N/mm <sup>2</sup>
Bending Strength	1 day	≥2,0 N/mm <sup>2</sup>
	7 days	≥4,0 N/mm <sup>2</sup>
	28 days	≥5,0 N/mm <sup>2</sup>
Application Thickness		2-30 mm
Bond Strength	EN 13892-8	≥1,5 N/mm <sup>2</sup>
Floor Temperature		+5°C /+30°C
Pot Life		~20 min
Ageing Time		3 min
Walkability Time		2-3 min
Coating on the Top	Moisture-insensitive coatings	~after 1 day
	On surfaces up to 5 mm applied	~ after 2 days
	On surfaces up to 10 mm applied	~ after 5 days
	On surfaces up to 20 mm applied	~ after 7 days
	On surfaces up to 30 mm applied	~ after 10 days
Final Curing Time		28 days

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

### Application Procedure

#### Substrate Preparation

The surfaces to be repaired must be sound and free from all dust and dirt. Broken surfaces to be repaired should be straightened as much as possible. Water should be drained away from puddled surfaces. Dry surfaces should be moisturized.



## Mixing

It is strongly recommended to mix only full and unopened bags. Damaged and opened bags should never be used. The appropriate and clean water amount described on the package is poured into a clean mixing container. While **FOX DOMINO® MULTI FD746** is added slowly and continuously into the water, it is mixed with an electric mixer with 400-600 rpm and a suitable mixing tip for about 3-4 minutes until it becomes homogeneous. There should be no lumps in the material.

**WARNING:** Mixing times must be strictly adhered to before necessary consistency checks. Consistency should not be achieved by adding additional water.

## Mixing Ratios

Approximately 4,60±0,20 liters of water should be used for 20 kg/1 bag **FOX DOMINO® MULTI FD746**  
Approximately 230±10 ml of water should be used for 1 kg **FOX DOMINO® MULTI FD746**

## Application

The prepared mortar is applied with the help of a trowel in a single layer with a thickness between 2 mm and 30 mm.

## Cleaning of Tools

Tools and equipment used after application should be cleaned with water. **FOX DOMINO® MULTI FD746** can only be mechanically cleaned from the surface after hardening.

## Consumption

To achieve 1 mm thickness, approximately 1,4 kg/m<sup>2</sup> powder product should be used.

## Watch Points

- It is mixed with water only.
- **FOX DOMINO® MULTI FD746** should be applied within 20 minutes at +20°C.
- The working and reaction times of cement-based systems are affected by ambient and ground temperature and relative humidity in the air. At low temperatures, hydration slows down, which increases pan life and working time. High temperatures accelerate hydration and the times mentioned above are shortened accordingly. For the material to complete setting, the ambient and floor temperature should not fall below the minimum permissible temperature.

## Package

20 kg of polietilen kraft torba

## Shelf Life

When stored properly at room temperature, away from direct sunlight, between +5°C and +30°C, the shelf life is 6 months from the date of production. Opened packages should be closed and consumed within 1 week

## Storage

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, maximum 3 pallets should be stacked on top of each other and shipment should be made on a first-in, first-out system. For long term storage, pallets should not be stacked 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, it should not be contacted with the skin and eyes, should be washed immediately with plenty of water and soap, and if swallowed, seek medical attention immediately. Food and drink materials should not be brought to the application areas. It 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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