



TECNOFLOOR 10 IS A CEMENT-BASED SELF-LEVELLER, WITH MODIFIED ADDITIVES, WHICH IS USED TO LAY AND LEVEL FLOORS. IT IS CLASSIFIED AS CT - C40 - F10 - AR2 ACCORDING TO EN 13813 STANDARD.



### PRODUCT DESCRIPTION

Level S10 is a special cement-based screed mortar with fluid consistency and controlled shrinkage. It is used for quick drying screeds, suitable for interior civil and commercial applications. Level S10 is classified as CT - C30 - F7 - A9 - A1fl in compliance with EN 13813 Standards. Mixing DCI 200 RAPID with 5Lt of LATEX or Admix S2 in stand of water to improve the characteristics and to meet the requirements of class C2FES2, improved highly deformable cementations adhesive with extended open time, according to EN 12002 and EN 12004.

### FIELD OF APPLICATION

- For interior use only.
- Suitable substrate under ceramic tile, stone, parquet, and resilient materials.
- Floating and bonded screeds from 3 mm to 10 mm thick.
- Suitable for heated screeds from 3 to 10 mm.
- Ideal for renovations and historic retrofits with site constraints.
- For areas subject to heavy traffic.

### ADVANTAGES

- One-component and premixed – Just mix with water
- Extended working time – 45 minutes
- Controlled crack shrinkage

- Fast-drying – walkable after 6 hours, installation of tile or stone after 72 hours
- Safe, non-flammable
- Easy to use, fluid and pumpable
- Does not require reinforcement mesh
- Low VOC emissions – better indoor air quality

### SUITABLE SUBSTRATES

- Concrete
- Cement Mortar
- Ceramic Tile and Stone primed with Grip Primer

### LIMITATIONS

- Do not mix with other cement or components.
- Do not apply on metallic or rubber substrate.
- Do not apply on not sufficient cured substrate.
- Do not apply in thicknesses over 10 mm per coat.
- Do not apply in temperatures above 40°C and below +8°C.
- Do not use the product on damp substrates.
- Surfaces must be structurally stable, sound, and rigid enough to support the concentrated loads expected from installation.
- Prime highly absorbent surfaces to improve adhesion.

· It is recommended to use expansion joints where necessary.

## **APPLICATION PROCEDURE**

### ***a) Preparation of the support***

The substrates must be dry, solid, and free of dust, loose and detached parts, paint, wax, oil, and other remaining products. Apply a special compressible band around the perimeter of the rooms to be laid and around any vertical elements that pass through the floor (such as pillars and columns).

### ***b) Preparing the product***

Mix product with approximately 26-28% water (6.5-7 liters per 25 kg bag), using either a concrete mixer or traditional mixing equipment (pump).

- If using a concrete mixer, add the desired amount of material, start the mixer, and add water. Mix for 5 minutes until a smooth, fluid consistency is obtained.

- If using a traditional mixer/pump, add the desired amount of material to the hopper, start the mixer and slowly add the required water amount until the consistency is fluid. The final consistency should be smooth and fluid, but not liquid.

### ***c) Applying the product***

The screed mortar must be used within 45 minutes after mixing. Once level indicators are positioned, the screed mortar must be poured and spread evenly, then leveled with suitable leveling bars or squeegees. The mortar is poured onto the primed substrate in one layer and is spread to the desired thickness with a large metal notched trowel, squeegee, etc. Once the product has self-leveled, it must be rolled immediately with a suitable spiked roller to release all the air retained within its mass.

### ***d) Installing the tiles***

Installation of Tiles Installation of the tile finish can begin approximately 72 hours after the application of Level S10 (at 23°C

and 50% R.H.). Provide for expansion joints in compliance with UNI 11493-1: 2016.

## **COVERAGE / CONSUMPTION**

The consumption is approximately 15-17 kg/m<sup>2</sup> at 1 cm thickness.

## **PACKAGING**

Level S10 is supplied in:

- 25 kg paper bags

## **SHELF LIFE**

Original sealed bags of this product are guaranteed to be of first quality for 12 months if stored off of the ground in a dry area. High humidity will reduce the shelf life of the bagged product.

## **SAFETY INSTRUCTION**

LEVEL S10 contains cement that, when in contact with sweat or other body fluid, can cause allergic reactions to those predisposed and irritant alkaline reactions and allergic reactions to those predisposed. It can cause damage to the eyes. Wear protective gloves, goggles, and take the usual precautions for handling chemicals during use. When in case of contact with skin or eyes, wash immediately with plenty of water and seek medical attention.

## TECHNICAL DATA

### Product identity

Consistency:	Fine Powder
Color:	Grey
Bulk density (kg/m <sup>3</sup> ):	1300
Dry solids content (%):	100
Standard:	EN 13813

### Application data (at +23°C and 50% R.H.)

Mix ratio:	26-28%
Thickness (mm):	from 3 to 10
Self-leveling:	yes
Density of mix (kg/m <sup>3</sup> ):	2100
pH of the mix:	approx. 12
Pot life:	45 minutes
Application temperature:	+5°C to +35°C
Setting time:	180 minutes
Set to light foot traffic:	12 hours

### Final performances

Compressive strength according to EN 13892-2(N/mm<sup>2</sup>):

- 24 hours ≥ 10
- 72 hours ≥ 15
- 7 days ≥ 25
- 28 days ≥ 30

Flexural strength according to EN 13892-2 (N/mm<sup>2</sup>):

- 24 hours ≥ 2
- 72 hours ≥ 3
- 7 days ≥ 5
- 28 days ≥ 7

Adhesion to concrete according EN 13892-8 (N/mm<sup>2</sup>):

> 2.0

Abrasion resistance Taber abrasion test: < 0.5  
(H22 disk -500 g - 200 rpm)

### WARNING

Danger. Contains Portland Cement: Chromium VI < 2 ppm within the validity period of the product. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF IN CONTACT WITH YOUR SKIN: Wash with plenty of water/... P305 + P351 + P338 IF IN CONTACT WITH YOUR EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/...



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