

# plan-10

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## PLAN-10

High-performance, ultra-quick setting self-leveling mortar used in layers 2 to 10 mm thick.

## substrate preparation

**TECHNOKOLLA**





Blender/Pump



24±1%



5-30°C



Flat trowel



20 min



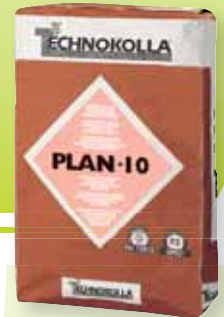
10 mm



Water or electric



# plan-10



## MAIN FEATURES

- Monocomponent
- High mechanical strength
- Optimum bonding capacity
- Ultra-fast setting
- Layers up to 10 mm thick
- Very smooth surface
- Can be pumped

## APPEARANCE

Reddish powder

## STORAGE

8 months in dry place

## FIELDS OF USE

- Leveling indoor floors in layers 2 to 10 mm thick before fixing floor cladding in moderately, or heavily trafficked new or renovated places with UPEC P2 and P3 classifications.

## SUBSTRATES

Cement-based screeds, quick-setting screeds, concrete, floors in PVC, linoleum, vinyl materials, anhydrite screeds, old ceramic or marble floors, water- or electric heating screeds.

Note: consult table for preliminary treatment:

SUBSTRATES ALLOWED	CEMENT SCREED ABSORBENT VERY ABSORBENT	AERATED CONCRETE	FLOORS IN PVC, LINOLEUM OR VINYL	ANHYDRITE SCREEDS	OLD CERAMIC OR MARBLE FLOORS	WATER- OR ELECTRICALLY- HEATED SCREEDS
PRELIMINARY TREATMENT						
Primer-t	X			X		X
Undiluted Primer-101		X	X		X	
Primer-101 diluted with 50% water	O			O		O

X = treatment required

O = as an alternative to X

## CLADDING MATERIALS

Ceramic or natural stone tiles, carpeting, plastic cladding materials, glued or floating parquet, paint and linoleum.

## substrate preparation



## RECOMMENDED ACCESSORIES



**437145**

Blender 1200



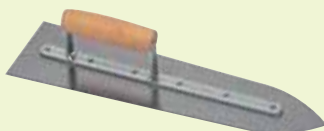
**437180**

Swivel stick



**437184**

Spiked roller



**437185**

Flat trowel

### NATURE OF THE PRODUCT

PLAN-10 mainly consists of high-strength cements, selected quartz mineral charges, organic copolymers and specific additives.

For further details, ask the technical office for the safety brief or download it from the web site [www.technokolla.com](http://www.technokolla.com).

### APPLICATION

Before PLAN-10 is applied, it is very important to make sure that the substrate is stable and compact. It must also be clean, dust-free and pretreated, as indicated in the table on page 2.

For further details about how to prepare substrates, consult the "notes" document, which can be downloaded from the website [www.technokolla.it](http://www.technokolla.it).

### HOW TO PREPARE THE MIXTURE

Blend PLAN-10 with approximately 6 l. of clean water per 25 kg bag (24±1%) until mixture is homogeneous and lump-free. To prevent lumps from forming (very harmful with this type of product), start blending with just a little water so as to obtain a homogeneous, very viscous paste. After this, add more water to achieve the right consistency, which must be fluid/ viscous. Be careful not to add too much water as this would cause the leveling mortar to completely detach. Leave mixture to rest for 2-3 minutes, then scrape the bottom of the receptacle with a knife or trowel to make sure that the product has not separated. If this is the case, add more PLAN-10 powder to the mixture, briefly blend again and pour onto the substrate. Use blender at low speed (approx. 500 rpm) to mix the product as high speed will combine too much air into the mixture and impair the smoothness of the finish.

The product can also be pumped by machine. Comply with the machine manufacturer's instructions.

### APPLICATION

PLAN-10 just needs to be spread with a smooth steel trowel followed by a spiked roller to break any air pockets. The layer must not be less than 2 mm thick. The product will begin to set after 20 min. and is treadable after approximately 3-4 hours.

### WARNINGS AND RECOMMENDATIONS

- do not apply PLAN-10 in layers less than 3 mm thick if the floor must be covered with parquet
- do not apply to substrates subject to flexural stress
- do not use on substrates subject to continuous rising damp
- do not apply in layers more than 10 mm thick
- do not add anything to the product that is not specified in this data sheet
- do not use the product once it has started to set, by adding water to make it more workable. Prepare fresh mixture
- do not use on old wooden floors
- do not use outdoors
- do not apply at temperatures lower than 5°C or higher than 30°C

### CONSUMPTION

1.4 Kg/m<sup>2</sup> per mm of thickness

# plan-10

TECHNICAL DATA	VALUE	STANDARD
Appearance	Reddish powder	
Water required for mixing	6 l. per 25 kg bag	
Curing time	2 min	
Pot life	*20 min	
Minimum thickness	2 mm	
Maximum thickness	10 mm	
Treadable	after 3-4 h	
Can be covered	*after 24-36 h	
Compressive strength after 24 h	≥ 15 N/mm <sup>2</sup>	EN 13892-2
Compressive strength after 28 days	≥ 30 N/mm <sup>2</sup>	EN 13892-2
Flexural strength after 24 h	≥ 3.0 N/mm <sup>2</sup>	EN 13892-2
Flexural strength after 28 days	≥ 7.0 N/mm <sup>2</sup>	EN 13892-2
Thermal resistance	from -30°C to +80°C	

\* these time intervals refer to a temperature of 23°C-50% R.H.. They become shorter with higher temperatures and longer at lower temperatures.

## SPECIFICATION

Horizontal substrates must be leveled with fast-setting, cement-based self-leveling mortar such as TECHNOKOLLA's PLAN-10, which can be covered after 24 h. with resilient materials and parquet. The product must be certified as conforming to UPEC strength class P3.

**Technokolla** reminds you to examine the “**notes**” document that completes the information in this data sheet. The document can be downloaded in the pdf format from the website [www.technokolla.com](http://www.technokolla.com).

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