

**plan-ext**  
04/15 235



#### **PLAN-EXT**

Self-leveling skimming plaster for outdoor and indoor use in 3 to 10 mm layers.

**substrate  
preparation**

---

**TECHNOKOLLA®**





Blender/  
Pump



23±1%



5-30°C



Smooth



20 min



10 mm



Water or  
electric



# plan-ext



## MAIN FEATURES

- Monocomponent
- Indoor and outdoor use
- Applied in layers 3 to 10 mm thick
- Very smooth surface
- Can be pumped

## APPEARANCE

Grey powder

## STORAGE

8 months in dry place

## FIELDS OF USE

- As skimming coat on cement-based indoor and outdoor floors. Can be left exposed even outdoors, or covered with floor paint or ceramic tiles on balconies, terraces, in private garages.

## SUBSTRATES

Cement-based screeds, quick-setting screeds, concrete.

## NATURE OF THE PRODUCT

PLAN-EXT 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).



## substrate preparation

## RECOMMENDED ACCESSORIES



**437145**

Blender 1200



**437180**

Swivel stick



**437184**

Spiked roller



**437187**

28x12 cm smooth stainless  
STEEL TROWEL

### APPLICATION

Before PLAN-EXT is applied, it is very important to make sure that the substrate is compact, clean and dust-free. Substrates must be pretreated with Primer-T a few hours before the skimming compound is applied. If the substrate is very absorbent, apply two coats of Primer-T, the second about two hours after the first.

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

### HOW TO PREPARE THE MIXTURE

Blend PLAN-EXT with approximately 5.75 l. of clean water per 25 kg bag (23±1%) until mixture is smooth 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 coat to completely detach. Leave the mixture to rest for 5 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-EXT 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 OPERATIONS

PLAN-EXT 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 can be trodden on after approximately 3-4 hours.

### WARNINGS AND RECOMMENDATIONS

- always pretreat with one or two coats of Primer-T, depending on how much the substrate absorbs. Always use a spiked roller to break up any air pockets.
- do not apply PLAN-EXT in layers less than 3 mm thick if the floor must be covered with parquet
- do not apply to surfaces subject to flexural stress
- do not use on substrates subject to continuous rising damp
- do not apply in coats 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 apply at temperatures lower than 5°C or higher than 30°C

### CONSUMPTION

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

TECHNICAL DATA	VALUE	STANDARD
Appearance	Grey powder	
Water required for mixing	5.75 l. per 25 kg bag	
Curing time	5 min	
Pot life	approx. *20 min	
Minimum thickness	3 mm	
Maximum thickness	10 mm	
Treadable after	6-8 h	
Can be covered after	*>48 h	
Compressive strength after 28 days	≥ 12 N/mm <sup>2</sup>	EN 13892-2
Flexural strength after 28 days	≥ 3.0 N/mm <sup>2</sup>	EN 13892-2

\* 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 quick-setting cement-based self-leveling skimming plaster such as TECHNOKOLLA's PLAN-EXT, which can be covered after 48 h. with resilient materials and parquet.

**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).

The advice about technical matters in the technical data sheets, or given verbally or in writing by our personnel as part of our customer assistance service, is the result of our best and most up to date experience. Since we are unable to personally modify the conditions in the building site or the way the work is carried out, this information is purely indicative and, thus, binds us neither legally nor in any other way in relation third parties. This information does not relieve the end user from being responsible for testing our products so as to make sure they are fit for the required use. We therefore strongly advise the customer/user to subject Technokolla's products to preventive tests in order to ensure that they are suitable. The end user is also responsible for checking to make sure that this technical data sheet is not obsolete and that more recent editions have not replaced it. Thus, before using our products, you are advised to download the most up to date version of the technical data sheet from our web site [www.technokolla.com](http://www.technokolla.com).



## Sika Italia S.p.A.

Registered Office and Administrative Headquarters: Via L. Einaudi 6,  
20068 Peschiera Borromeo (MI)

Sassuolo Plant (MO): Via Radici in Piano 558, Postal Code 41049

Tel: +39 0536 809711 Fax: +39 0536 809729 [www.technokolla.com](http://www.technokolla.com)