

plan-30

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PLAN-30

High-performance, quick-setting, self-levelling mortar for layers 5 to 30 mm thick.

**substrate
preparation**





Blender/
Pump



23±1%



5-30°C



Flat trowel



25 min



30 mm



Water



plan-30



LOW-VOC
product

TESTED BY
EUROFINS

MAIN FEATURES

- Monocomponent
- High mechanical strength
- Layers up to 30 mm thick
- Fast-setting
- Fast-drying
- Optimum bonding capacity
- Optimum finish
- Can be pumped

APPEARANCE

Reddish granular powder

STORAGE

8 months in dry place

FIELDS OF USE

- Leveling indoor floors in layers 5 to 30 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, anhydrite screeds, old ceramic or marble floors, water-heated screeds.

Note: consult table for preliminary treatment:

SUBSTRATES ALLOWED	CEMENT SCREED ABSORBENT VERY ABSORBENT	AERATED CONCRETE	ANHYDRITE SCREEDS	OLD CERAMIC OR MARBLE FLOORS	WATER-HEATED SCREEDS
PRELIMINARY TREATMENT					
PRIMER-T PLUS	X		X		X
PRIMER-101		X		X	

CLADDING MATERIALS

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

substrate preparation



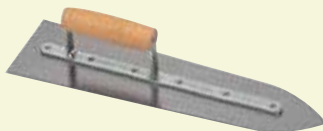
RECOMMENDED ACCESSORIES



Blender



Spiked roller



Flat trowel

NATURE OF THE PRODUCT

PLAN-30 mainly consists of high-strength cements, selected 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.

APPLICATION

Substrates must be properly cured, structurally sound, dimensionally stable, free of any loose or friable particles, clean, dry and free of any contaminants such as dust, dirt, oil, grease, release agent, cement laitance or efflorescence.

Cement substrates should not be subject to shrinkage after the installation of the product, therefore they must be properly cured.

Depending on the substrate condition and contaminants to be removed from the surface, perform adequate preparation techniques, such as water-jet washing or blastcleaning, in order to remove all traces of any materials that could reduce the product's adhesion to the substrate.

Cracks in substrates must be identified and sealed appropriately e.g. with REPAIR epoxy resin. On non-absorbent or substrates with limited absorbency, such as existing ceramic tiles etc., check to confirm that these surfaces are all firmly and securely bonded and stable, then use suitable degreasing/descaling products to thoroughly and completely clean the surface e.g. with DET BASICO and DET ACIDO.

Before PLAN-30 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.com.

HOW TO PREPARE THE MIXTURE

Blend PLAN-30 with approximately 5.27 l. of clean water per 25 kg bag (23±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 the 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-30 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-30 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 5 mm thick. The product will begin to set after 25 min. and is treadable after approximately 3-4 hours.

plan-30

WARNINGS AND RECOMMENDATIONS

- 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 30 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 outdoors
- do not apply at temperatures lower than 5°C or higher than 30°C

CONSUMPTION

~ 1.7 kg/m² per mm of thickness

TECHNICAL DATA	VALUE	STANDARD
Appearance	Reddish powder	
Water required for mixing	~ 5.75 l. per 25 kg bag	
Curing time	2 min	
Pot life	*20 min	
Minimum thickness	5 mm	
Maximum thickness	30 mm	
Treadable	*after 3-4 h	
Can be covered	*after 48-72 h	
Compressive strength after 24 h	≥ 15 N/mm ²	EN 13892-2
Compressive strength after 28 days	≥ 35 N/mm ²	EN 13892-2
Flexural strength after 24 h	≥ 3.0 N/mm ²	EN 13892-2
Flexural strength after 28 days	≥ 7.0 N/mm ²	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

Substrates must be leveled with fast-setting, cement-based, self-leveling mortar with high mechanical strength (≥35 N/mm² after 28 days curing), such as TECHNOKOLLA's PLAN-30, which can be applied in layers up to 30 mm thick and covered after 72 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.

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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