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REPLAN

Fast-setting, self-leveling mortar for layers up to 10 mm thick

**substrate
preparation**

TECHNOKOLLA®





Blender/
Pump



24±1%



5-30°C



Flat trowel



20 min



10 mm



Water

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MAIN FEATURES

- Monocomponent
- High mechanical strength
- Optimum bonding capacity
- Fast-setting
- Layers up to 10 mm thick
- Very smooth finish
- 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 materials in rooms with moderate traffic, such as apartments, trade fair stands, libraries and similar.
- Leveling indoor floors in layers 3 to 10 mm thick before fixing floor materials in places with heavy traffic (class P3 according to UPEC classification), such as hospitals, offices, airports, schools, public buildings, etc.

SUBSTRATES

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

Note: consult table for preliminary treatment:

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



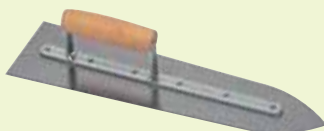
437145
Blender 1200



437148
Swivel stick



437186
Spiked roller



437185
Flat trowel

NATURE OF THE PRODUCT

REPLAN 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.

APPLICATION

Before REPLAN 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.

HOW TO PREPARE THE MIXTURE

Blend REPLAN 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 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 REPLAN 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

REPLAN just needs to be spread with a smooth 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 REPLAN 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 - 1.5 kg/m² per mm of thickness

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TECHNICAL DATA	VALUE	STANDARD
Appearance	Reddish powder	
Water required for mixing	6.0 l. per 25 kg bag	
Curing time	2 min	
Pot life	*20 min	
Minimum thickness	2 mm	
Maximum thickness	10 mm	
Treadable	*3-4 h	
Ceramic tiles or textile flooring can be fixed	*after 24-36 h	
Plastic or parquet flooring can be applied	*after 48-72 h	
Compressive strength after 24 h	≥ 12 N/mm ²	EN 13892-2
Compressive strength after 28 days	≥ 30 N/mm ²	EN 13892-2
Flexural strength after 24 h	≥ 2.0 N/mm ²	EN 13892-2
Flexural strength after 28 days	≥ 4.0 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

Horizontal substrates must be leveled with quick-setting, cement-based, self-leveling mortar such as TECHNOKOLLA's REPLAN, which can be covered by 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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