

# fibro-level

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## FIBRO-LEVEL

Quick-setting fiber-reinforced self-leveling compound for heavily trafficked floors. Especially suitable for difficult substrates.

## substrate preparation

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**TECHNOKOLLA**





Blender/  
Pump



23±1%



5-30°C



Flat knife



20 min



30 mm



Water or  
electric



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## MAIN FEATURES

- Monocomponent
- Fiber-reinforced
- High mechanical strength
- Quick setting and hardening
- Layers 3 to 30 mm thick
- Extra-smooth finish
- Can be pumped
- Ideal for covering difficult and highly stressed substrates

## APPEARANCE

Reddish powder

## STORAGE

8 months in dry place

## FIELDS OF USE

- Formation of skimming coats for indoor floors in layers 3 to 30 mm thick before fixing floorings in moderately or heavily trafficked new or renovated places with UPEC P2, P3, P4 and P4S classifications.

## SUBSTRATES

Cement-based screeds, wooden panels, rigid parquet, concrete, PVC floor coverings, linoleum, vinyl materials, anhydrite screeds, old ceramic or marble floor surfaces, water- or electrically-heated screeds.

Note: consult table for preliminary treatment:

SUBSTRATES ALLOWED	CEMENT SCREED ABSORBENT VERY ABSORBENT	WOODEN PANELS (CTBX, CTBH)	RIGID PARQUET	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	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.



## RECOMMENDED ACCESSORIES



**437145**

Blender 1200



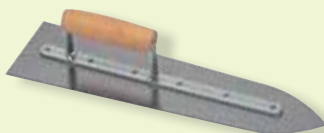
**437148**

Swivel stick



**437186**

Spiked roller



**437185**

Trowel

### NATURE OF THE PRODUCT

FIBRO-LEVEL mainly consists of high-strength cements, selected quartz mineral charges, organic copolymers, synthetic fiber and specific additives. Ask for the safety data sheet for further details.

### APPLICATION

Before applying FIBRO-LEVEL, it is very important to make sure that the substrate is stable and compact. It must also be clean, free from dust 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](http://www.technokolla.com).

### HOW TO PREPARE THE MIXTURE

Blend FIBRO-LEVEL 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 until the paste is homogeneous and very viscous. 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 compound to completely detach. After leaving the mixture to rest for 2-3 minutes, 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 FIBRO-LEVEL powder to the mixture, briefly blend again and pour onto the substrate. It is advisable to use a 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

Just spread FIBRO-LEVEL with a smooth steel trowel followed by a spiked roller to break up any air pockets. The product will begin to set after 20 min. and can be trodden on after approximately 3-4 hours.

### CONSUMPTION

1.4 - 1.5 kg/m<sup>2</sup> per mm of thickness

### WARNINGS AND RECOMMENDATIONS

- do not apply FIBRO-LEVEL in layers less than 3 mm thick
- do not apply to surfaces affected by flexural stress
- do not use on substrates subject to continuous rising damp
- do not apply in coats 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

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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	3 mm	
Maximum thickness	30 mm	
Treadable after	*3-4 h	
Time to wait before fixing ceramic tiles or textile flooring	*8-12 h	
Time to wait before applying plastic or parquet flooring	*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 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	

\* 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 compound such as TECHNOKOLLA's FIBRO-LEVEL, which can be covered by resilient materials and parquet. The product must conform to the UPEC P4S classification.

**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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