

fibro-level EVO

02/20 254



FIBRO-LEVEL EVO

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

**substrate
preparation**

TECHNOKOLLA®





Blender/
Pump



22±1%



5-30°C



Flat knife



20 min



30 mm



Water or
electric



fibro-level EVO



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

Grey powder

STORAGE

12 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, 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	ANHYDRITE SCREEDS	OLD CERAMIC OR MARBLE FLOORS	WATER- OR ELECTRICALLY-HEATED SCREEDS
PRELIMINARY TREATMENT							
PRIMER-T PLUS	X				X		X
Undiluted PRIMER-101		X	X	X		X	

CLADDING MATERIALS

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



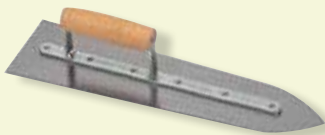
RECOMMENDED ACCESSORIES



Blender



Spiked roller



Trowel

NATURE OF THE PRODUCT

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

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 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.

HOW TO PREPARE THE MIXTURE

Blend FIBRO-LEVEL EVO with approximately 5.5 l. of clean water per 25 kg bag (22±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 EVO 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 EVO 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 2-4 hours.

CONSUMPTION

~ 1.8 kg/m² per mm of thickness

WARNINGS AND RECOMMENDATIONS

- do not apply FIBRO-LEVEL EVO 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

fibro-level EVO

TECHNICAL DATA	VALUE	STANDARD
Appearance	Grey powder	
Water required for mixing	~ 5.5 l. per 25 kg bag	
Curing time	2 min	
Pot life	*20 min	
Minimum thickness	3 mm	
Maximum thickness	30 mm	
Treadable after	*2-4 h	
Time to wait before fixing ceramic tiles or textile flooring	*8-12 h	
Time to wait before applying plastic or parquet flooring	*24-48 h	
Compressive strength after 24 h	≥ 20 N/mm ²	EN 13892-2
Compressive strength after 28 days	≥ 35 N/mm ²	EN 13892-2
Flexural strength after 24 h	≥ 4 N/mm ²	EN 13892-2
Flexural strength after 28 days	≥ 8.0 N/mm ²	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 EVO, 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.

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.



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