

# replan-n

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## REPLAN-N

Modified polymer cement-based selflevelling product with rapid hardening, for thickness from 2 to 10 mm.

## substrate preparation

**TECHNOKOLLA®**





Blender/  
Pump



24±1%



5-30°C



Flat trowel



30 min



10 mm



Water

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LOW-VOC  
product

## MAIN FEATURES

Monocomponent

Dispersion adhesive proof

Indicated for applications on heated screeds

With thickness > 2 mm it is indicated under the action of wheeled chairs or furniture according to EN 12529

Modified polymer

EC 1 PLUS R: very low emission

Very smooth finish

Can be pumped

## APPEARANCE

Grey powder

## STORAGE

8 months in dry place

## FIELDS OF USE

- REPLAN-N is designed to fill and level the substrate before the laying of indoor ceramic, textile or flexible floors in residential and non-industrial applications.

## SUITABLE SUBSTRATES

Concrete, cement-based screeds, rapid cement-based screeds, screeds based on calcium sulphate (anhydrite).

## SUBSTRATE REQUIREMENTS

The substrate must have a sufficient mechanical resistance, a good dimension stability and be permanently dry. It must be free of elements reducing adhesion such as dust, dirt, oils, greases, waterproof coats and detached parts. Separation layers, synthetic layers or old levelling products must be removed mechanically, such as by polishing or shot-peening.

The layers of water-soluble adhesives must be removed mechanically.

The remaining adhesive parts must be treated with PRIMER-101.

Old water-resistant adhesives must be removed mechanically. Surface treatments or crumbling parts must be removed completely.

It is recommended to use the monocomponent primers listed in the table to get a surface without pores with high adhesion. See the relevant Product Data Sheets. Do not apply on substrates with rising damp. A vapour barrier in compliance with the national regulations and norms must be applied in case of rising damp. Comply with all requirements defined in the norms and guide lines in force.

## substrate preparation

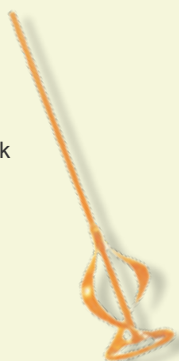


## RECOMMENDED ACCESSORIES

Blender



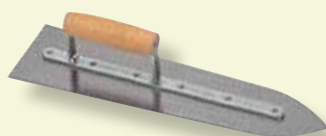
Swivel stick



Spiked roller



Flat trowel



Note: consult table for preliminary treatment:

SUBSTRATES ALLOWED	ABSORBENT AND VERY ABSORBENT CEMENT SCREEDS	AERATED CONCRETE	ANHYDRITE SCREEDS	WATER-HEATED SCREEDS
PRELIMINARY TREATMENT				
PRIMER-T PLUS	X		X	X
Undiluted PRIMER-101		X		

### CLADDING MATERIALS

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

### NATURE OF THE PRODUCT

REPLAN-N 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](http://www.technokolla.com).

### HOW TO PREPARE THE MIXTURE

Blend REPLAN-N 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-N powder to the mixture, briefly blend again and pour onto the substrate. Use blender at low speed 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

- Pour the product on the floor and spread it on the whole surface with metal pointed trowel or squeegee.
- Free edges and joints must be limited with containing elements higher than the finished level of the product preventing any leakage.
- In case of high thickness, arrange an insulating strip all along the perimeter.
- The levelling coat must respect the thickness and flatness required by the manufacturer of the tiles or flooring systems.
- Avoid any contact with metal pipes, above all galvanised steel pipes, as they do not have a sufficient anti-corrosion resistance. They must be sealed in case a contact is envisaged.
- Protect the product against high temperatures, direct sun rays and wind when still fresh.

### CONSUMPTION

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

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## WARNINGS AND RECOMMENDATIONS

- do not apply REPLAN-N in layers less than 5 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

TECHNICAL DATA	VALUE	STANDARD
Appearance	Grey powder	
Water required for mixing	6.0 l. per 25 kg bag	
Curing time	2 min	
Pot life	*30 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 at 28 days	≥ 25 MPa	(EN 13892-2)
Flexural strength at 28 days	≥ 6 MPa	(EN 13892-2)
Reaction to Fire class	A1fl	(EN 13501-1)

\* these time intervals refer to a temperature of 20°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-N, 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](http://www.technokolla.com).

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