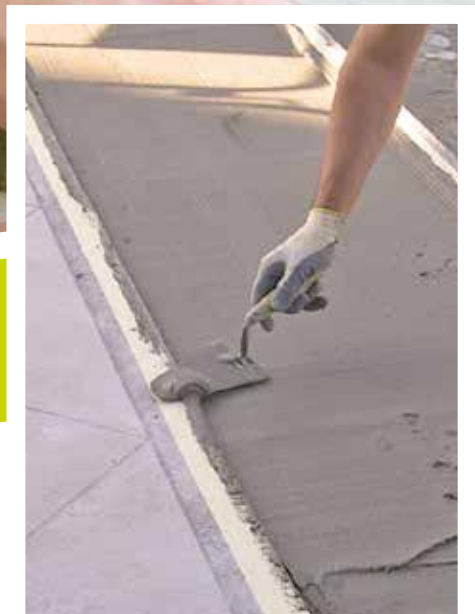


gap-r
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GAP-R

Thixotropic, quick-setting technical leveling mortar for preparing indoor and outdoor substrates in layers 3 to 20 mm thick.

**substrate
preparation**





Blender/
Cement mixer



18±1%



5-30°C



Smooth



15 min



20 mm

gap-r



MAIN FEATURES

Monocomponent
Thixotropic
Optimum bonding capacity
Quick-setting

APPEARANCE

Grey powder

STORAGE

6 months in dry place

FIELDS OF USE

- For leveling in layers 3 to 20 mm thick on substrates to be covered with tiles or natural stone after 8-12 h (depending on the temperature and thickness of layer).

SUBSTRATES

Cement-based screeds, concrete.

NATURE OF THE PRODUCT

GAP-R 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.

OPERATIONS PRIOR TO APPLICATION

The substrate must be structurally sound and free from dust, dirt, loose material, surface contamination as oil or grease, cement laitance.

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

Concrete: the substrate should be prepared by suitable mechanical preparation techniques, such as high water pressure or grit blasting, mechanical or manual breakers. Non impact/vibrating cleaning methods are preferred. Aggregates should be clearly visible on the surface of the prepared area. The edges of the repair area must be cut vertically (90° degree angle) to a minimum depth of 3 mm.

Pre-wet the surface of concrete up to saturation. The wetted surface should achieve a dark matt appearance, without glistening: no liquid water must be present on the surface.

substrate preparation



RECOMMENDED ACCESSORIES



Blender



28x12 cm
smooth trowel

HOW TO PREPARE THE MIXTURE

Blend GAP-R with approximately 4.5 l. of clean water per 25 kg bag (18±1%) until mixture is homogeneous and lump-free. If substrates are very smooth, such as cast or surfaced concrete, or simply to increase the bonding capacity of GAP-R to the substrate, the mixture can be prepared using TC-LAX and water in 1:1 ratio. In all cases, prepare mortar in a cement mixer or screw-mixer with blender at low speed (approx. 500 rpm).

APPLICATION

Apply product with a smooth steel trowel. Press mortar well down onto substrate to ensure a perfect bond. Wet surface with plenty of water if it is very absorbent or in sunny weather to prevent product from drying out and failing to adhere properly. Maximum thickness allowed for this application is 20 mm.

CONSUMPTION

~ 1.6 - 1.7 kg/m² per mm of thickness.

WARNINGS AND RECOMMENDATIONS

Do not apply to:

- anhydrite screeds
- gypsum-based panels or plaster, plasterboard and resilient flooring
- metal, wood, ceramic and smooth, non-absorbent substrates
- substrates subject to rising damp

- do not apply in layers less than 3 mm thick
- do not add anything to the product that is not specified in this data sheet
- do not use product once it has started to set by adding water to make it more workable. Prepare fresh mixture
- do not apply at temperatures lower than 5°C or higher than 30°C

TECHNICAL DATA	VALUE
Appearance of finished product	grey powder
Maximum diameter of aggregate	0.6 mm
Apparent specific mass of powder	~ 1350 kg/m ³
Water required for mixing	18±1%
Apparent specific mass of fresh mortar	~ 1900 kg/m ³
Pot life	* ~ 15 min
Storage	6 months in unopened pack in dry place

FINAL PERFORMANCE	VALUE	REQUIREMENT	STANDARD
Compressive strength after 3 h	~ 3 N/mm ²		EN13892-2
Compressive strength after 24 h	~ 5 N/mm ²		EN13892-2
Compressive strength after 28 days	~ 15 N/mm ²	≥ 12 N/mm ²	EN13892-2
Flexural strength after 28 days	~ 3.5 N/mm ²	≥ 3 N/mm ²	EN13892-2

APPLICATION SPECIFICATIONS	VALUE
Application	by hand
Minimum thickness	3 mm
Maximum thickness	20 mm
Treadable	*after 3-4 h
Can be tiled after	*8-12 h
Consumption	~ 17 kg/m ² per cm of thickness
Temperature during application	min.+5°C, max.+30°C

* These time intervals refer to a temperature of 23°C–50% R.H.

SPECIFICATION

Substrates must be leveled with quick-setting, cement-based mortar blended with water alone, such as TECHNOKOLLA's GAP-R, which can be applied both to walls and floors in coats up to 20 mm thick.

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