

gap

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GAP

Fibre-reinforced thixotropic mortar for substrate preparation, indoor and outdoor. Thickness from 3 up to 20 mm substrate preparation, indoor and outdoor.

**substrate
preparation**





Blender/
Mixer



20±1%



5-35°C



Smooth

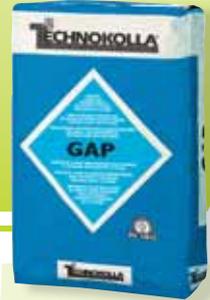


60 min



20 mm

gap



MAIN FEATURES

- One pack
- Thixotropic
- Very good adhesion
- Fibre-reinforced

ASPECT

Grey powder

STORAGE

12 months in a dry place

FIELDS OF USE

Clipping in thickness from 3 up to 20 mm, that can be laid with ceramic tiles or natural stones after 24-48 h (depending on the thickness and the temperature).

SUBSTRATES

Cementitious screeds, concrete.

NATURE OF THE PRODUCT

GAP mainly consists of high-strength cements, selected silicon/quartz mineral charges, copolymers of an organic nature and specific additives.

Ask our technical department for the safety brief for further information or download it from our web-site www.technokolla.com.

HOW TO PREPARE THE MIXTURE

GAP should be mixed with about 5 l. of clean water per 25 kg bag (20±1%) until a homogeneous, lump-free mixture is obtained. In case of particularly smooth substrates, such as pre-casted or cast-in-place concrete, the mixture can be made with TC-LAX and water in a 1:1 ratio, to allow GAP to bond with the substrate in a better way. In all cases, it is advisable to use a low speed blender (approx. 500 rpm) since a high speed will reduce the mechanical characteristics of the product. Wait about 5 minutes, then stir the product briefly again and start applying.



substrate preparation

RECOMMENDED ACCESSORIES



437145
Blender 1200



437148
Circular



437187
Smooth trowel 28x12 cm

HOW TO PREPARE THE MIXTURE

GAP should be mixed with about 5 l. of clean water per 25 kg bag (20±1%) until a homogeneous, lump-free mixture is obtained. If the substrates are particularly smooth, such as cast or surfaced concrete, the mixture can be made with TC-LAX and water in a 1:1 ratio, to allow GAP to bond with the substrate in a better way.

In all cases, it is advisable to use a low speed blender (approx. 500 rpm) since a high speed will reduce the mechanical characteristics of the product. Wait about 5 minutes, then stir the product briefly again and start applying.

APPLICATION OPERATIONS

Apply the product with a smooth steel trowel. Press the mortar well down on to the substrate to ensure a perfect bond.

However, remember that on sunny days or if the surface is very absorbent, this latter must be wetted with plenty of water to prevent the product from drying out and failing to adhere well. Max thickness in one coat: 20 mm.

AMOUNT REQUIRED

1.6 - 1.7 kg/m² each mm of thickness

WARNINGS AND RECOMMENDATIONS

Do not apply on:

- anhydrite screeds
- gypsum based panels or plasters, gypsumboards, resilient floorings
- rising damp substrates
- metal, wood, ceramic floorings and smooth or not-absorbent substrates

- do not apply in layers less than 3 mm thick
- do not add anything to the product that is not specified in this brief
- do not use the product once it has started to set, adding water to make it more workable. Prepare a new fresh mixture
- do not apply at temperatures lower than 5°C or higher than 35°C

TECHNICAL DATA	VALUE
Aspect	grey powder
Granulometry	1.2 mm
Apparent specific mass of powder	1450 kg/m ³ approx.
Water ratio	20±1%
Apparent specific mass of fresh mortar	2000 kg/m ³ approx.
Pot life	1 hour* approx.
Shelf-life	12 months in a dry place

FINAL PERFORMANCE	VALUE	STANDARD	NORM
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 DATA	VALUE
Application	by hand
Minimum thickness allowed	3 mm
Maximum thickness	20 mm
Can be tiled after	*24-48 h
Amount required	17 kg/m ³ approx. for every cm of thickness
Application temperature	min.+5°C, max.+35°C

* Times referred to a temperature of +23°C and R.H. 50%. They are shorter at higher temperatures and longer at lower ones

SPECIFICATION

Surfaces must be leveled with a cement-based product to be mixed with water that can be applied in layers up to 20 mm thick on both walls and floors, such as TECHNOKOLLA's GAP.

Technokolla reminds you to examine the **"notes" document** that completes the information in this data sheet. The document can be downloaded from our website www.technokolla.com in the pdf format.

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