

## Technical Datasheet

# PANDOMO Terrazzo Basic Grey

## TerrazzoBasic Binder Matrix, Grey

- › To produce rapid usable mineralistic, design floors on insulating layer, on separating membrane and as a bonded screed
- › Dimension stabilised screed cement = virtually shrink – and tension free hardening and drying
- › Fast useable
- › For interior
- › Walkability after 12 hours
- › Can be ground depending on site condition after 48 to 72 hours
- › With ideal application properties



### Areas of application

To produce rapid usable mineralistic, design floors on insulating layer, on separating membrane and as:

- › bonded screed
- › on separation layer
- › unbonded screed

For the installation of the screed the general codes of practice especially DIN 18353 "Screed in Building sites" and EN 13813 "Screed mortars and Screeds" have to be followed, the fast hardening of the products has to be observed.

### For internal use

### Application on a floor heating system

When using PANDOMO® BG on a hot water floor heating system the waiting time until further application can be reduced. Three days after application warm-up heating begins at a flow temperature of approx. + 25°C which must be maintained for 3 days.

Then the maximum flow temperature is set and main - tained for a further 4 days. In so doing draughts must be avoided.

### Application

To mix the PANDOMO® BG standard forced action mixers or screed pumps can be used. The mixing ratio for a 220 l mixer is:

50 kg PANDOMO® BG = 2 bags

250 kg Sand 0-8mm = 30-36 shovels

12-22 l water = depending on the moisture of the sand

### Advice

Trafficable properties are achieved after 8 to 12 hours.

Aggregate sand 0-8 mm acc.to DIN 4226 with a steady grain distribution in the range from A8-B8 acc. DIN 1045 should be used. The total amount of mixing water to be used should not exceed 22 litres.

Do not add any additives as compound oils etc and do not mix with other cement.

The working time of the PANDOMO® BG is approx. 1 hour. Mixing, application, levelling and smoothing must succeed each other at a brisk pace. The surfaces should only be of such a size that they can be completed with in this working time. Higher temperatures shorten, lower ones lengthen working and hardening time.

open your space



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Do not apply the material at temperatures below +5°C. Screed connections or partial surfaces are bonded to each other with round reinforcing steel bars. Day and expansion joints must be provided and implemented as in conventional screeds.

For bonded screeds a slurry with ARDEX E 100 has to be produced. Therefore PANDOMO® BG and sand has to be mixed in the ratio 1:1 and then mixed with Ardex E 100 and water in the ratio 1:1. The slurry then has to be applied wet in wet to the primed substrate. If in doubt carry out a test.

### Pay attention to the following

Depending on the compressibility of the insulating layer a nominal screed thickness of at least 50 mm is applicable for cement screed on insulating layer for evenly spread work loads in domestic construction up to 2,0 kN/m². Please observe that due to changes in the raw material a consistent colour of the PANDOMO® BG can not be guaranteed. Locally available screed sands could also change the appearance of the installed floor.

Please observe that the material requirement stated in the data sheet refers to a screed sand 0-8 mm with a specific gravity of 1.7 kg/l according to DIN 1045 with a sieve line A8 to C8.

Screed sands with a different sieve line, grain size, grain appearance and specific gravity (approx. 1.6 to 2.0 kg/l) will have a different material consumption.

### Note

Contains cement. Reacts alkaline – so protect skin and eyes.

In case of eye contact also consult a doctor.

Physiologically and ecologically safe when in a set state.

Giscode ZP1 = product contains cement, low chromate content



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### **Technical Specifications According to ARDEX Quality Standards:**

Mixing ratio	Consistency	Component A	Component B	Component C
	Mixing ratio of 1:5	25 kg PANDOMO® BW Powder	125 kg 0-8 mm sand	6 – 11 liters of water (depending on the moisture of the sand)
Bulk density	approx. 1.1 kg/l			
Fresh motar weight	approx. 2.1 kg/l			
Material requirement	approx. 3,3 kg powder/m <sup>2</sup> -cm			
Working Time*	approx. 60 minutes			
Walkability*	approx. 12 hours			

\* These are approximate values calculated in laboratory conditions at +20°C temperature and 65% relative humidity. Environmental and atmospheric conditions may alter these values. High temperatures and lower relative humidity shorten these durations, while lower temperatures and higher relative humidity extend them.

### **Mechanical properties**

Compressive strength	Consistency	Time	Approx. Compressive Strength
	Mixing ratio of 1:4	After 28 days	50 N/mm <sup>2</sup>
	Mixing ratio of 1:5	After 1 day	20 N/mm <sup>2</sup>
	Mixing ratio of 1:5	After 7 days	35 N/mm <sup>2</sup>
	Mixing ratio of 1:5	After 28 days	40 N/mm <sup>2</sup>
	Mixing ratio of 1:6	After 28 days	35 N/mm <sup>2</sup>
Tensile bending strength	Consistency	Time	Approx. Tensile Bending Strength
	Mixing ratio of 1:4	After 28 days	5,5 N/mm <sup>2</sup>
	Mixing ratio of 1:5	After 1 day	4,0 N/mm <sup>2</sup>
	Mixing ratio of 1:5	After 7 days	4,5 N/mm <sup>2</sup>
	Mixing ratio of 1:5	After 28 days	5,0 N/mm <sup>2</sup>
	Mixing ratio of 1:6	After 28 days	4,0 N/mm <sup>2</sup>

### **Product details**

Suitable to underfloor heating Yes

EMICODE: EC 1<sup>PLUS</sup>

GHS/CLP classification GHS 05, Corrosive  
Signalword: Danger

GGVSEV/ADR classification None

Packaging Bags of 25 kg net weight

Storage and Shelf Life Can be stored for approx. 12 months in sealed, original containers in dry surroundings

