



FOR GOOD REASONS

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pan**DOMO**<sup>®</sup> BG

**TerrazzoBasic, bindersystem grey**

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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

- Working time 60 minutes
  - Constant consistency even with longer mixing times and long conveying routes
  - Easier spreading and working of the screed
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Reg.No. 37344

Manufacturer  
with certified quality system  
as per DIN EN ISO 9001

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# panDOMO® BG

## TerrazzoBasic, bindersystem grey

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### 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 maintained 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 within this working time. Higher temperatures shorten, lower ones lengthen working and hardening time. 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/m<sup>2</sup>. 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 data  
according to ARDEX quality standards:**

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<b>Mixing ratio:</b>	mixing ratio 1: 5 25 kg PANDOMO® BG 125 kg sand grain size 0-8mm, 6-11 l water (depending on the moisture of the sand)
<b>Bulk density:</b>	approx. 1,1 kg/l
<b>Fresh mortar Weight:</b>	approx. 2,1 kg/l
<b>Material requirement:</b>	approx. 3,3 kg of powder per m <sup>2</sup> and cm
<b>Working time:</b>	approx. 60 – minutes
<b>Walkability:</b>	approx. 12 hours
<b>Compressive strength:</b>	after 1 day approx. 20 N/mm <sup>2</sup> after 7 days approx. 35 N/mm <sup>2</sup> after 28 days approx. 40 N/mm <sup>2</sup>
<b>Tensile bending strength:</b>	after 1 day approx. 3,0 N/mm <sup>2</sup> after 7 days approx. 4,5 N/mm <sup>2</sup> after 28 days approx. 5,0 N/mm <sup>2</sup>
<b>Corrosion tendency:</b>	contains no ingredients with a corrosive influence on steel
<b>Suited for floorheating:</b>	Yes
<b>EMICODE:</b>	EC1R <sup>PLUS</sup>
<b>Classification according GHS/CLP:</b>	GHS05 "Corrosive", Signalword: Danger
<b>Classification according GGVSEB/ADR:</b>	no
<b>Packaging:</b>	bags with 25 kg net
<b>Storage:</b>	can be stored for approx. 12 months in dry rooms in originally sealed packaging

