



FOR GOOD REASONS

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pan**DOMO**<sup>®</sup> BW

## TerrazzoBasic Binder Matrix, White

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For creating decorative, mineral-based floors that are rapidly usable and ready for covering, on insulating layers, separating layers and as a bonded screed



Controlled-dimension binder system = virtually no shrinkage and very low tension during hardening and drying

Rapid usability

For indoor use

Walkable after just 12 hours

Grindable after 36 hours depending on temperature

Optimised application properties

**Mortar only to be prepared using forced-action mixer.**

- Working time approx. 45 minutes
- Uniform consistency even with longer mixing times
- Easy spreading and application of mortar



Reg. No. 37344

Manufacturer  
with certified quality system  
as per DIN EN ISO 9001

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### Uses:

Manufacturing ground decorative floors that are rapidly ready for use and display early initial strength.

- as bonded screed
- on separating layers
- as floating screed

Planning and installation in accordance with DIN 18353 "Working with Screeds", DIN 18560 "Screeds in Construction" and EN 13813 "Screed mortar and screed materials".

Rapid hardening of screed mortar must be taken into account.

### For indoor use.

### Use on top of floor heating:

When PANDOMO® BW is used for the overall construction on top of a hot-water floor heating system, the waiting times before laying the floor can be substantially reduced. Three days after installing TerrazzoBasic, heating may commence with a flow temperature of approx. +25°C.

This is maintained for 3 days, after which the flow temperature is increased by 2°C every day, until the maximum flow temperature has been reached, whereby a floor temperature of 32° must not be exceeded. Avoid draughts.

If PANDOMO® flooring systems are used on a piped, water-based floor heating system the maximum intake temperature should not be above +40°C and the core temperature of the load bearing construction as well as the surface temperature should not be above +28°C. The before mentioned values should also be observed in the initial heating and during the heating periods.

### Application:

Always use forced-action mixers when preparing PANDOMO® BW.

The mixing ratio for a 200-litre forced-action mixer is:  
50 kg PANDOMO® BW = 2 bags, each 25 kg  
250 kg sand, 0 – 8 mm = 30 – 36 shovel loads  
12 – 24 litres water (depending on moisture of sand).

To achieve longer working times, if required, the mixing vessel can first be filled with 50% of the mix, to which 90% of the necessary water is added. Next, the full amount of the binder is added, and then mixed with the remaining mix and water.

The binder PANDOMO® BW can be coloured using inorganic pigments in a powdered form. The amount added must not exceed 3 % by weight of the binder.

### Remarks:

Trafficable capacity is achieved after 8 to 12 hours provided the aggregate used is sand of grade 0/8 as defined in DIN 4226, with a constant grain distribution in the favourable to useful range of A8–B8 – as per DIN 1045. The overall amount of water, i.e. the moisture of the sand together with the mixing water, should not exceed 24 litres for 50 kg BW. Do not use any screed additives such a compound oils etc. Do not mix with other cement.

The working time for PANDOMO® BW depends on the temperature, the method of mixing, the quality of the aggregate and the pigments; it is approx. 45 minutes.

When installing this material on larger areas, the working time of 45 must be taken into consideration. If necessary, the work must be carried out by two teams.

Having installed TerrazzoBasic, it must be covered with a polythene sheet to protect it from drying out too quickly.

Choose areas such that they can be completed within the working time. Higher temperatures decrease the working time. Do not install at temperatures below +10° C. Day and expansion joints should be planned and implemented as for conventional cement screeds. Edges must be at least 10 mm thick. The substrate must be dry, firm and free of separating agents. On bonded screeds, the concrete substrate must be primed using a bonding slurry. To make the bonding slurry, mix PANDOMO® BW and sand in a ratio of 1 : 1, and mix this with ARDEX E 100 diluted with water in a ratio of 1 : 1. The proportion of E 100/water to PANDOMO® BW/sand should be adjusted to produce a bonding slurry with a viscous, spreadable consistency. Apply the bonding slurry wet-on-wet to the primed substrate and rub in thoroughly with a brush. The TerrazzoBasic mortar is then applied to the still damp bonding slurry. When in doubt, try out on sample surface.

### Processing TerrazzoBasic mortar after installation:

PANDOMO® BW is walkable after approx. 12 hours and can be ground after approx. 36 hours.

### Please note:

For evenly distributed work loads of up to 2 kN/m<sup>2</sup> in domestic construction projects, cement screeds installed on top of an insulating layer should have a minimum thickness of 50 mm. It should also be noted as a matter of principle that regional variations in screed sands can affect the look in terms of their colour and shape; working times may also be longer or shorter, depending on the quality of the sand used.

PANDOMO® BW can be ground after approx. 36 hours using a 3- or 4-disc grinding machine and a wet or dry grinding process.

Ensure that the weight of the grinding machine does not produce an excessive strain on the TerrazzoBasic floor.

Before fine grinding, the voids should be filled with the binder or with PANDOMO® TFW, TFB. After applying the filler, the surface should be wetted with a fine mist of water and immediately covered with a polythene sheet. TerrazzoBasic can be fine-ground approx. 16 hours after filling the voids.

The TerrazzoBasic floor must not be treated with fluates, sodium silicates or similar materials.

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 B8.

#### Notice:

Contains cement. Irritating to eyes. Danger of severe damage to eyes. Keep out of reach of children. Do not inhale dust. Avoid contact with eyes and skin. In case of eye contact, immediately rinse thoroughly with water and consult a doctor. Wear suitable protective gloves and goggles/facial protection while using the product. In case of swallowing, consult a doctor immediately and show packaging or label.

GISCODE ZP 1 = product contains cement, low chromate content

#### Technical Data Based on ARDEX Quality Standards:

<b>Mixing ratio:</b>	Mixing ratio 1 : 5 25 kg PANDOMO BW : 125 kg sand, 0–8 mm 6 – 12 litres of water (depending on moisture content of sand)
<b>Bulk density:</b>	approx. 1.1 kg/l
<b>Fresh mortar density:</b>	approx. 2.1 kg/l
<b>Coverage:</b>	approx. 3.3 kg powder per m <sup>2</sup> and cm
<b>Working time (+20 °C):</b>	approx. 45 minutes
<b>Walkability (+20 °C):</b>	after 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. 45 N/mm <sup>2</sup>
<b>Bending tensile strength:</b>	after 1 day: approx. 3 N/mm <sup>2</sup> after 7 days: approx. 4.5 N/mm <sup>2</sup> after 28 days: approx. 5.5 N/mm <sup>2</sup>
<b>Suitable for floor heating:</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 of 25 kg net weight
<b>Storage:</b>	Can be stored for approx. 12 months in sealed, original containers in dry surroundings

