



FOR GOOD REASONS

---

pan**DOMO**<sup>®</sup> PW

**TerrazzoPlus Bindersystem, white**

pan**DOMO**<sup>®</sup> PB

**TerrazzoPlus Bindersystem, black**

---

To produce a fast track decorative flooring with the appearance of Terrazzo; bonded, unbonded or floating

Binder available in white and black

Walkable after 8 hours

Very rapid hardening; can be ground after 24 hours

For application from 25 mm thick bonded

For interior use

Fulfils the requirements according to DIN 18560 and EN 13813

With ideal application properties

- Working time 60 minutes
- Very rapid hardening
- Low shrinkage
- Rapidly trafficable

Non flammable



---

Manufacturer  
with certified quality system  
as per DIN EN ISO 9001

ARDEX GmbH  
58430 Witten · P.O. Box 6120  
GERMANY  
Phone: +49 (0) 23 02/664-0  
Fax: +49 (0) 23 02/664-437  
kundendienst@ardex.de  
www.ardex.de

### Areas of application:

Internal

To produce a fast track, rapid hardening, cementitious ground Terrazzo flooring.

Apply as:

- bonded min. thickness 25 mm
- unbonded min. thickness 40 mm
- as a floating screed min. thickness 45 mm
- heated screed min. thickness 45 mm

Once hardened the surface is ground to give the final appearance.

For application please consult DIN 18560 and EN 13813 for guidance. The following addendum applies to DIN 18353: 3.3.1 »can also be applied in a single layer bonded«. The rapid hardening nature of the PANDOMO® TerrazzoPlus Bindersystem has to be also taken into account.

### Substrate preparation:

The substrate – concrete, sand cement screed (grades in accordance with the DIN norms and requirements) has to be dry and free of dust. Remove residues, barrier materials and loose particles and contamination using suitable mechanical equipment such as contained shot blasting.

To achieve a bond to the substrate a slurry with the PANDOMO® PW TerrazzoPlus Binder resp. PB, PANDOMO® PR primer needs to be applied. A slurry made out of PANDOMO® PW resp. PB TerrazzoPlus Binder has to be applied, mixed to a thick, creamy consistency.

The mixing ratio is approx. for 25 kg of PANDOMO® PW or PB TerrazzoPlus Binder and 6 l of water.

### Application:

PANDOMO® PW or PB has to be mixed in a forced action mixer. The mixing ratio for a 150 l mix is:

- 75 kg Fine graded aggregate
- = 3 bags 25 kg each
- + 50 kg PANDOMO® PW or PB = 2 bags
- 9–10 l water

The following graded aggregate can be used:  
1–3/3–5/6–9 mm:

Load bearing properties are achieved after one day. Do not add any cement or screed additives, etc to the mix.

The working time of PANDOMO® TerrazzoPlus screed is approx. 1 hour. Mixing, laying, levelling and smoothing should be done without stopping.

The areas to be done should only be as large as one can complete within the open time of the material. Higher temperatures accelerate hardening; lower temperatures retard the rate of strength development. Do not apply at temperatures below +5 °C.

### Joints:

Adjacent screed areas have to be connected using round steel reinforcement. Building movement joints need to be brought up to the surface. The movement joint profiles have to be installed according to the manufacturers recommendations.

Terrazzo joints should be used to separate the PANDOMO® TerrazzoPlus screed from other coverings or limit the area. These joints have to be incorporated and be taken through to the insulation layer or base.

Perimeter and other movement joints have to be installed 8 mm wide.

Day joints in the screed have to be brought through to the surface.

### Application on underfloor heating:

If PANDOMO® PW resp. PB TerrazzoPlus bindersystem is used on a piped, water-based floor heating system, the curing time can be shortened. 3 days after installation of the TerrazzoPlus the preheating should start at a temperature of approx. +25 °C. The temperature of +25 °C should be maintained for 3 days. Then the maximum temperature should be maintained for 4 days. Draughts should be avoided during the curing and conditioning processes.

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.

### Subsequent treatment:

The PANDOMO® PW resp. PB TerrazzoPlus bindersystem can be walked on after 8 hours and can be ground after one day.

To grind the floor, 3 head grinding machines are recommended.

### Important:

For an evenly distributed working load e.g. domestic application up to 2,0 KN/m<sup>2</sup> on to insulation layer, the minimum thickness should be 45 mm.

PANDOMO® PW resp. PB TerrazzoPlus Bindersystem is made for the hardness category II. It can also be manufactured for the hardness category I.

PANDOMO® PW resp. PB TerrazzoPlus Bindersystem can be coloured with ARDEX approved powder pigments.

PANDOMO® PW resp. PB TerrazzoPlus Bindersystem is available in black (PANDOMO® PB) and white (PANDOMO® PW).

After the filling of the pores please cover the floor for approx. 16 hours with a plastic foil.

For cleaning, sealing and maintenance, only ARDEX approved systems should be used.

**Note:**

Contains cement. Alkaline when mixed with water, so protect skin and eyes. In case of eye contact consult a doctor for advice.

Consult the relevant ARDEX Product Safety Data Sheet for detailed advice.

Physiologically and ecologically safe when in a hardened state.

Giscode ZP 1 = product contains cement, low chromate content.

**Technical data****According to ARDEX quality standards:**

<b>Mixing ratio:</b>	25 kg PANDOMO® PW, PB TerrazzoPlus Bindersystem with 4.5–4.75 l water and 1 bag 37.5 kg of graded aggregate
<b>Bulk density:</b>	approx. 1.4 kg/l
<b>Fresh mortar weight:</b>	approx. 2.4 kg/l
<b>Material requirement:</b>	approx. 9 kg per m <sup>2</sup> and cm depth
<b>Working time:</b>	approx. 60 min
<b>Walkability:</b>	approx. 8 h
<b>Dryingtime:</b>	approx. 24 hours, if necessary to prevent floor from drying too fast cover the floor with a plastic foil
<b>Compressive strength:</b>	after 1 day approx. 40 N/mm <sup>2</sup> after 7 days approx. 50 N/mm <sup>2</sup> after 28 days approx. 60 N/mm <sup>2</sup>
<b>Tensile bending strength:</b>	after 1 day approx. 5.0 N/mm <sup>2</sup> after 7 days approx. 6.0 N/mm <sup>2</sup> after 28 days approx. 6.0 N/mm <sup>2</sup>
	PANDOMO® Terrazzo Plus is equivalent to a CT C60 F6 after 28 days and can be used as substitute to a screed
<b>Fire rating:</b>	A1 acc. EN 13501
<b>Abrasion resistance:</b>	Measured in method based on DIN DIN EN 13748 part 1, Wear-/ Resistanceclass acc. Böhme Depending on aggregate used Hardness class I up to max. 18cm <sup>3</sup> /50 cm <sup>2</sup> Hardness class II up to max. 20cm <sup>3</sup> /50 cm <sup>2</sup> Hardness class III up to max. 26cm <sup>3</sup> /50 cm <sup>2</sup>

**Suited for floor heating:**

yes

**EMICODE:**

EC1R<sup>PLUS</sup>

**Classification according GHS/CLP:**

GHS05 "Corrosive",  
Signalword: Danger

**Classification according GGVSEB/ADR:**

no

**Packaging:**

bags with 25 kg net

**Storage:**

can be stored for approx. 12 months  
in a dry room in original sealed  
packaging

We assume the warranty for the perfect quality of our products. Our handling recommendations are based on trials and practical experience; they can, however, only be regarded as general advice without a quality warranty, as we have no influence on work site conditions and the execution of the work.  
Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations.

