



FOR GOOD REASONS

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pan**DOMO**<sup>®</sup> K3  
**Design, levelling compound,  
grey**

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10/3.1

To create grey PANDOMO<sup>®</sup> Floor and  
FloorPlus Surfaces

With ARDURAPID<sup>®</sup> effect

Pre coloured

Fast drying

For layer thicknesses of from 5 to 10 mm

Ideal flow properties

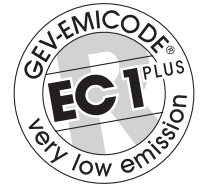
Self-levelling

Crack-free even in thick layers

Can be pumped

Soon walkable

Soon load-bearing



Reg. No. 37344

Manufacturer  
with certified quality system  
as per DIN EN ISO 9001

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## Design, levelling compound, grey



### Applications:

#### For inside use.

For producing pre coloured designed visual and wearing surfaces of PANDOMO® Floor and FloorPlus subject to moderate shock and impact loads.

### Type:

Grey powder with special cements, good dispersible synthetic substances and selected fillers. Mixed with water, the product produces a pliable, self-smoothing mortar which can be applied with a trowel and be pumped.

It has a pot-life of approx. half an hour and is walkable after approx. three hours.

The mortar cures by hydration and drying to a compound which is so tension-free as to virtually exclude the risk of crack-formation. Styling work not leading to sealing of the surface, e.g. joints and sand-blasting operations etc., can be carried out once the surface is walkable.

### Preparation of substrate:

The substrate, made of concrete or cement screed (minimum strength grade CT-C25-F4 or calcium sulfate screeds (CA-C35-F6) must be dry, firm and free from dust. The substrate should be shot-peened or sandblasted to remove impurities, parting agents, loose upper zones and binding agent concentrations.

In order to improve bonding and to prevent rising of air bubbles, the substrate (new sand cement screeds concrete or leveling compounds) must first be primed with PANDOMO® PR, diluted 1:3 with water. After drying of the primer – depending on the absorbency of the substrate and the site conditions – after 1–2 hours the second coat of PANDOMO® PR, diluted 1:1 with water, is applied.

The substrate has to be primed and sand blinded with PANDOMO® EP (see technical leaflet) to avoid colour differences at mixed substrates, calcium sulfate screeds, rough cement screeds or blasted screeds and against rising damp from the substrate.

At higher room temperatures and high pigment content in the mixing water, the substrate which has been cleaned before from sand, should be primed with PANDOMO® PR in the ratio 1:1 to avoid pinholing.

The substructure must be permanently dry.

If in doubt, prepare a trial surface.

### Use:

To use PANDOMO® K3 10/3.1 on concrete or cement screeds 25 kg PANDOMO® K3 10/3.1 are mixed with 5–5.25 l of water. To a clean mixing vessel add clear water and mix the powder, stirring vigorously for at least 2 mins., until a smooth, easily flowing mortar is obtained.

At temperatures of +18 °C to +20 °C the mortar can be used for approx. half an hour, lower temperatures increasing the pot-life and higher temperatures shortening it.

For application on calcium-sulfate-based flow screeds, warm water floor heating, PANDOMO® K3 10/3.1 has to improved with ARDEX E 25. The substrate has to be primed with PANDOMO® EP. Mixing ratio: 4.5 l water + 1 l ARDEX E 25 : 25 kg powder.

The mortar spreads easily and can be smoothed without trowel marks.

### Applying the mortar:

The minimum layer thickness of PANDOMO® K3 10/3.1 is 5 mm. The material can be applied in a single pour up to 10 mm thick.

For layer thicknesses over 10 mm, the surface must first be primed with PANDOMO® K3 10/3.1; the total layer thickness must not exceed 20 mm.

For layers thicker than 20 mm a bonded screed has to be installed.

PANDOMO® K3 10/3.1 mortar can be applied using a spacer/spreading tool and smoothed with a large-area float or levelling trowel.

Use PANDOMO® K3 10/3.1 at temperatures above +5 °C.

### Pumping:

The mortar can be pumped using spiral pumps, reciprocating pumps and continuously operating mixing pumps, with a delivery of around 20–40 l of mortar per minute.

If the mortar is to be pumped, cement slurries must not be used as a lubricant.

Where standing times exceed half an hour, both machine and hoses must be cleaned.

**Smaller building sites:** Add approx. 10 – 10.5 l clear water to a mixing vessel with an approx 50 l capacity.

Using a powerful drilling machine with a robust stirrer quirl, mix 50 kg = 2 bags PANDOMO® K3 10/3.1 powder until a smooth, homogeneous, easily flowing mortar is obtained.

**Larger building sites:** The mortar can be pumped using spird pumps, reciprocating pumps and continuously operating mixing pumps with a delivery of around 40–80 l of mortar per minute.

If the mortar is to be pumped, cement slurries must not be used as a lubricant.

Where standing times exceed half an hour, both machine and hoses must be cleaned.

### Application on underfloor heating:

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.

### FloorPlus:

To create PANDOMO® FloorPlus surfaces small amounts of PANDOMO® HG, approx. 50 - 60 g/m<sup>2</sup>, get applied immediately after troweling the PANDOMO® K3 10/3.1

### Sealing:

To seal the polished PANDOMO® K1 surface only PANDOMO® system products such as PANDOMO® SP-SL stone-oil and PANDOMO® SP-PS and PANDOMO® SP-GS can be used (see Technical Data Sheets).

Prior to the application the dry surface has to be polished in three steps (100, 120, 150 grid) with a 3 head machine (TRIO). With a single disc machine and a white pad fine dust particles have to be removed from the surface. The stone oil can only be applied onto clean and dust free surfaces. PANDOMO® FloorPlus surfaces are polished in one step (60 grid).

### N.B.:

PANDOMO® K3 10/3.1 cannot be used outside or in permanently wet areas.

Due to natural color changes in the raw materials color variations in the floor can not be ruled out.

### Note:

Contains cement. Causes serious eye irritation. Keep out of reach of children. Wear protective gloves. Wash contaminated skin thoroughly after handling. Wear eye protection. Do not get in eyes, on skin, or on clothing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a dry place.

Dispose of contents/container in accordance with local regulations. Dispose of contents/container in accordance with regional regulations. Dispose of contents/container in accordance with national regulations. Dispose of contents/container in accordance with international regulations.

Physiologically and ecologically harmless in the cured state.

GISCODE ZP 1 = product containing cement, relatively chromate-free.



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**EN 13813:2002**

**panDOMO K3**

Self Leveling Compound  
EN 13813:CT-C25-F7-AR0,5

Compressive strength:	≥ 25 N/mm <sup>2</sup>
Flexural strength:	≥ 7 N/mm <sup>2</sup>
Abrasion resistance according to BCA:	≤ 50 µm
Bond strength:	NPD
pH value:	NPD
Reaction to fire:	A2 <sub>fl</sub> s1



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

<b>Mixing ratio:</b>	approx. 5 – 5.25 l water (clear or dyed) : 25 kg powder, equal to 1 p.b.v. water : 3.5. p.b.v. powder
<b>Bulk weight:</b>	approx. 1.4 kg/l
<b>Fresh weight mortar:</b>	approx. 2.0 kg/l
<b>Material required:</b>	approx. 1.5 kg per m <sup>2</sup> and mm
<b>Pot Life (+ 20 °C):</b>	approx. 30 min.
<b>Walkable (+ 20 °C):</b>	after approx. 3 h
<b>Styling work:</b>	as soon as walkable
<b>Compressive strength:</b>	after 1 day approx. 12 N/mm <sup>2</sup> after 7 days approx. 18 N/mm <sup>2</sup> after 28 days approx. 30 N/mm <sup>2</sup>
<b>Flexural tensile strength:</b>	after 1 day approx. 3 N/mm <sup>2</sup> after 7 days approx. 5 N/mm <sup>2</sup> after 28 days approx. 8.5 N/mm <sup>2</sup>
<b>Suitable for wheelchairs:</b>	yes
<b>Suitable for subfloor heating systems:</b>	
a) Water-bearing	yes
b) Electrical	no
<b>pH:</b>	after 1 day approx. 11
<b>EMICODE:</b>	EC1R <sup>PLUS</sup>
<b>Classification according GHS/CLP:</b>	GHS 07 "exclamation mark", Signalword: Warning
<b>Classification according GGVSEB/ADR:</b>	no
<b>Packaging:</b>	25 kg net bags
<b>Storage:</b>	can be stored in dry rooms for approx. 6 months in the original sealed container

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.