



FOR GOOD REASONS

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# panDOMO® K2

## Design thinlayer compound for floor areas, internal white

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To produce PANDOMO® Loft floors

with ARDURAPID® - effect

Fast drying

For Finish-/Scratchcoats

High surface strength

Low tension

Fast walkable

Fast load-bearing



Reg. No. 37344

Manufacturer  
with certified quality system  
as per DIN EN ISO 9001

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# panDOMO® K2

## Design thinlayer compound for floor areas, internal white



### Areas of use:

#### Floor areas, internal.

**To create representative, creatively designed floor surfaces with normal requirements regarding the resistance of impacts as e.g. in boutiques, shops, restaurants, cafés, lobbies, residential areas, exhibition areas etc.**

**To create decorative coats in thicknesses of 2 – 4 mm onto leveled substrates.**

### Type:

White powder with special cements, well dispersionable polymers and selected fillers. When mixed with water, the result is a paste like, trowelable but not self leveling mortar, which can be worked for approx. 20 minutes and is walkable after approx. 2 hours.

The mortar hardens by hydration and drying to a very low-tension material. Applied on substrates, which fulfill the norms, cracks can virtually be excluded.

### Substrate preparation:

Concrete or cement screed substrates (minimum strength class CT-C25-F4) or calcium sulfate screeds (CA-C35-F6) must be dry, firm, free of cracks, dust and other contaminants.

To remove contaminants, release agents, loose particles and laitance from the substrate surface, it must be shot- or sand-blasted.

The substrate must be permanently dry. If in doubt, invest in trial areas.

To apply PANDOMO® K2 in a scratch coat manner, the substrate must be primed first with PANDOMO EP and then sandblinded with PANDOMO® HG Hardgrain sand (note label text of PANDOMO® HG).

This primer ensures the ideal adhesion to the substrate and prevents from rising airbubbles. On the following day, excess sand must be swept or hovered away.

### Level requirements:

Due to the coats small thickness of only 2-4 mm, PANDOMO® Loft demands increased requirements regarding the level of the substrate (min. DIN 18202, part 3, finished floor areas with increased demands). Therefore, if needed, the complete area must be leveled using PANDOMO® K1 in a minimum thickness of 5 mm (observe technical data sheet PANDOMO® K1).

After sufficient drying time, earliest the following day, these areas must be primed again with PANDOMO EP and sandblinded with PANDOMO® HG. Unbonded excess sand must be removed the subsequent day, prior application of PANDOMO® K2

### Application:

Mix 25 kg of PANDOMO® K2 with 5 liters of water. Clean or with PANDOMO® CC Color-Concentrate colored water is given into a clean bucket and mixed for a minimum of 2 minutes, until a lumbfree mortar is achieved.

Working time of the fresh mortar is approx 20 minutes at temperatures of +18°C to 20°C. Lower temperatures will extend, shorter ones reduce the working time.

Subfloor heating systems must be switched off prior application of PANDOMO® K2.

Application is not possible when temperatures are below +10°C.

The mortar is poured in small quantities directly onto the substrate and then applied by "sharply" scratching it onto the substrate using a small straight edge trowel.

It is possible to apply the mortar in a thin layer while standing, if a small rubber squeegee is used. A 40 cm wide smoothing trowel, with a hinge, is used subsequently to smooth and design the PANDOMO® K2.

This is done while working backwards out of the room and the smoothing trowel is used to corrugate all décor-influences as footmarks, bulges and bubbles etc.

To achieve an as even and steady-going as possible surface structure, a second coat can be applied. This two-coat system requires a streamlined application manner by the applicator. The second coat is applied as described above after an intermediate drying time of approx. 30 – 60 minutes (the first coat should still appear moist).

### Note:

**The second coat of PANDOMO® K2 must not be applied onto a fully cured PANDOMO® K2 surface. During the application of the second coat it must be observed, that a homogeneous, bubble free and even surface structure is achieved.**

**Good light conditions during application are absolutely essential.**

**If two coats are applied, it is recommended to wear soft rubber soles and not to place heavy buckets onto the area, in order to avoid damages and unwanted structures.**

### 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.

**Sealing:**

Prior a sealant is applied, the dry surface must be polished accurately in a single run using a triple-disk-grinder (e.g. Lägler) for the floor area and a rim sander (e.g. Festool) for the frame areas. With a rotating white pad (single/triple disk grinder) fine dust particles are removed from the polished surface prior sealing works start.

These sealing work steps can be done after approx 6-12 hours after the final PANDOMO® K2 coat was done.

**Note:**

Disadvantageous drying conditions can require longer waiting times prior the subsequent sealing works.

**Sealant:**

To seal polished PANDOMO® K2 floors, just the PANDOMO® System - products PANDOMO® SP-SL Stoneoil as well as PANDOMO® SP-GS or SP-PS are approved (observe technical data sheets).

**Note:**

Sealing works may only be done onto clean, dust free surfaces.

**To be observed:**

PANDOMO® K2 must not be applied in external or in permanently wet areas.

**Note:**

Contains cement. Reacts alkaline. Protect skin and eyes. In case of contact, rinse throughout with clear water. In case of eye-contact, additionally contact a doctor.

The product is physiologically and economically harmless when cured.

GISCODE ZP1 = product contains cement, very low chromate.



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**13****53125**  
**EN 13813:2002****panDOMO K2**  
Self Leveling Compound  
EN 13813:CT-C30-F7-AR0,5

Compressive strength:	≥ 30 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. 5,0 l water : 25 kg powder is equivalent to approx. 1 vol. of water : 3,25 vol. of powder
<b>Bulk density:</b>	approx. 1,2 kg/l
<b>Fresh mortar Weight:</b>	approx. 1,9 kg/l
<b>Material requirement:</b>	approx. 1,5 kg of powder per m <sup>2</sup> and mm
<b>Minimum temperature of substrate, powder and water:</b>	+10°C
<b>Working time:</b>	approx. 20 minutes
<b>Walkable (+ 20 °C):</b>	approx. 2 hours
<b>Compressive strength:</b>	after 1 day approx. 16 N/mm <sup>2</sup> after 7 days approx. 23 N/mm <sup>2</sup> after 28 days approx. 32 N/mm <sup>2</sup>
<b>Tensile bending strength:</b>	after 1 day approx. 4,0 N/mm <sup>2</sup> after 7 days approx. 6,0 N/mm <sup>2</sup> after 28 days approx. 10,0 N/mm <sup>2</sup>
<b>Slip resistance classification DIN 51131:</b>	R10
<b>Resistant to chair castors:</b>	yes
<b>Suitable for floorheating:</b>	yes
<b>Electrical floor heating:</b>	no
<b>pH-rating:</b>	After 1 day 11
<b>EMICODE:</b>	EC1R <sup>PLUS</sup>
<b>Classification according GHS/CLP:</b>	no
<b>Classification according GGVSEB/ADR:</b>	no
<b>Packaging:</b>	bags with 25 kg net
<b>Storage:</b>	can be stored for approx. 6 month in dry rooms in originally 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 not 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