



PANDOMO® K2

Design thinlayer compound for floor areas, internal white

- To produce PANDOMO® Loft floors
- with ARDURAPID® - effect
- Fast drying
- For Finish-/Scratchcoats
- High surface strength
- Low tension
- Fast walkable
- Fast load-bearing



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 lowtension 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 sandblasted.

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



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ARDEX GmbH Friedrich-Ebert-Str. 45 58453 Witten Germany	
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53125	
EN 13813:2002	
panDOMO K 2	
EN 13813:CT-C30-F7-AR0,5; polymer modified	
Fire behavior:	A2 _{fl} -s1
Release of corrosive substances:	CT
Water permeability:	NPD
Water vapor permeability:	NPD
Compressive strength:	C30
Flexural strength:	F7
Wear resistance according to BCA:	AR0,5
Impact sound insulation:	NPD
Sound absorption:	NPD
Thermal insulation:	NPD
Chemical resistance:	NPD

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Manufacturer with QM/EM system
certified in accordance with
DIN EN ISO 9001/14001

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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:

As the total layer thickness of PANDOMO® Loft is 2 - 4 mm, increased demands are made on the evenness of the substrate. (Q4 on the wall, on the floor Note BEB Merkblatt für Designspachtelmassen). If necessary, the entire surface must be levelled.

ARDEX K 39 should be used for this in layer thicknesses up to 4 mm. For layer thicknesses over 4mm, PANDOMO® K1, K3 or ARDEX K 80 should be used.

ARDEX K 80 filler can be applied without aggregate in one operation up to 10 mm thick. For layer thicknesses above 10 mm up to max. 20 mm, ARDEX K 80 can be bulked out as follows:

Mixing material/ Mixing ratio	Washed Grain size	Mortar Mix	
Sand	0 – 2 mm	1,0 vol.	0,3 vol
Ardex SPS Special sand	0 – 3 mm	1,0 vol.	0,3 vol

Always prime with PANDOMO® EP Neu sanded between and under the layers.

It is recommended to lightly sand the dry surface with 80 grit to smooth out sand nodules/unevenness. The sand and the epoxy resin primer must not be removed in the process.

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, waterbased 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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Technical data according to ARDEX quality standards:

Mixing ratio:	approx. 5,0 l water : 25 kg powder is equivalent to approx. 1 vol. of water : 3,25 vol. of powder
Bulk density:	approx. 1,2 kg/l
Fresh mortar Weight:	approx. 1,9 kg/l
Material requirement:	approx. 1,5 kg of powder per m ² and mm
Minimum temperature of substrate, powder and water:	+10°C
Working time:	approx. 20 minutes
Walkable (+20 °C):	approx. 2 hours
Compressive strength:	after 1 day approx. 16 N/mm ² after 7 days approx. 23 N/mm ² after 28 days approx. 32 N/mm ²
Tensile bending strength:	after 1 day approx. 4,0 N/mm ² after 7 days approx. 6,0 N/mm ² after 28 days approx. 10,0 N/mm ²
Slip resistance classification DIN 51131:	R10
Resistant to chair castors:	yes
Suitable for floorheating:	yes
Electrical floor heating:	no
pH-rating:	After 1 day 11
EMICODE:	EC1 ^{PLUS}
Classification according GHS/CLP:	no
Classification according GGVSEB/ADR:	no
Packaging:	bags with 25 kg net
Storage:	can be stored for approx. 6 month in dry rooms in originally sealed packaging