



FOR GOOD REASONS

pan**DOMO**[®] K1 **white**

Design, levelling compound

With ARDURAPID effect

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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panDOMO® K1 white

Design, levelling compound

Applications:

For inside use.

For producing prestigious, creatively designed visual and wearing surfaces subject to moderate shock and impact loads, e.g. in shops, hotels, cafés, vestibules, private living areas, exhibition halls etc.

Type:

White 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 spatula 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 stress-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 from concrete or cement screed (minimum strength class ZE 20), must be dry, firm and free from dust. The substrate should be shot-peened or sand-blasted to remove impurities, parting agents, loose upper zones and binding agent concentrations.

To improve adhesion and prevent air bubbles, the substrate should first be primed with PANDOMO PR PRIMER AND ADHESIVE BRIDGE, diluted with water in a 1:3 ratio. After the primer coat has dried, which, depending on the absorptive capacity of the substrate and site conditions, will take one to two hours, the second primer of PANDOMO PR should be applied, diluted with water, in a 1:1 ratio.

In the case of mixed substrates and rising damp from the substrate, this should be primed and trowelled off with ARDEX EP 2000 multifunctional epoxy resin to prevent substrate colour differences (see technical data sheet).

The substructure must be permanently dry.

If in doubt, prepare a trial surface.

Use:

To mix 25 kg PANDOMO K1, 5.25 l of water are needed. To a clean mixing vessel add clear water or water dyed with PANDOMO FT COLOUR CONCENTRATE 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.

The mortar spreads easily and can be smoothed without crusting.

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.

Applying the mortar:

The minimum layer thickness of PANDOMO K1 is 5 mm. The material can be applied in a single operation up to 10 mm thick.

For layer thicknesses over 10 mm, the surface must first be primed with ARDEX K 80 Thin screed; the total layer thickness of PANDOMO K1 and ARDEX K 80 must not exceed 20 mm.

PANDOMO K1 mortar can be applied using a spacer/spreading tool and smoothed with a large-area float or levelling trowel.

Use PANDOMO K1 at temperatures above +5 °C.

Smaller building sites: Add approx. 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 K1 powder until a smooth, homogeneous, easily flowing mortar is obtained.

Larger building sites: 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.

Design:

The PANDOMO K1 design is explained in our leaflets. Coats of paint and tints should be checked for consistency and compatibility.

Sealing:

PANDOMO Unikat surfaces are coated with PANDOMO CTG CLEAR LAYER, GLOSS and thereafter with PANDOMO CTM MATT FINISH.

PANDOMO Stone floor is sealed with PANDOMO SL Mineral oil.

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Sealing may be done approx. 24 hours (at +20 °C) after the PANDOMO K1 floor has been laid. If drying conditions are unfavourable, correspondingly longer waiting times should be allowed for before the sealing is applied.

See technical data sheets for PANDOMO CTG, PANDOMO CTM and PANDOMO SL.

N.B.:

PANDOMO K1 cannot be used outside or in permanently wet areas.

Note:

Contains cement. Causes alkaline reaction. Therefore, protect skin and eyes. If product comes into contact with the skin, rinse thoroughly with water. If product comes into contact with the eyes, consult a doctor as well.

Physiologically and ecologically harmless in the cured state.

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

European patent no. : 0884291

Technical data according to ARDEX quality standards:

Mixing ratio: approx. 5.25 l water : 25 kg powder, equal to
1 p.b.v. water : 3.5 p.b.v. powder

Bulk weight: approx. 1.4 kg/l

Fresh weight of mortar: approx. 2.0 kg/l

Material required: approx. 1.5 kg per m² and mm

Pot-life (+20 °C): approx. 30 min.

Walkable (+20 °C): after approx. 3 h

Styling work: as soon as walkable

Protective coating with PANDOMO CTG: no earlier than 1 day after completion of trowelling or styling work

Compressive strength:

after 1 day	approx. 13 N/mm ²
after 7 days	approx. 20 N/mm ²
after 28 days	approx. 30 N/mm ²

Flexural tensile strength:

after 1 day	approx. 3 N/mm ²
after 7 days	approx. 5 N/mm ²
after 28 days	approx. 8.5 N/mm ²

Ball impression hardness:

after 1 day	approx. 45 N/mm ²
after 7 days	approx. 65 N/mm ²
after 28 days	approx. 80 N/mm ²

Suitable for wheelchairs: yes

Suitable for underfloor heating: yes

pH: after 1 day approx. 11

Packaging: 25 kg net bags

Storage: 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 at the execution of the work.

March 2008