



pan**DOMO**® K2

Design, thin, trowel applied finish

**To create PANDOMO® Loft
Surfaces**



With ARDURAPID® effect

Fast Drying

For layer thicknesses of 2 – 4mm

High surface strength

Soon Walkable



Reg.No. 37344

Manufacturer with
certified quality
system as per DIN
EN ISO 9001

ARDEX Australia Pty Ltd
20 Powers Road, Seven Hills,
NSW 2147
Ph: 1300 788 780
Fax: 1300 780 102
www.ardexaustralia.com
www.pandomo.com.au
techinfo@ardexaustralia.com

panDOMO® K2

Design, thin, trowel applied finish

Applications:

For internal use.

For producing thin trowel applied, individual visual and wearing surfaces of PANDOMO® K2 in areas such as residential projects, shops, hotels, cafés, vestibules, exhibition halls, offices, shopping centres.

Type:

PANDOMO® Loft, or K2, is an off white powder with special cements, well dispersible polymers and selected fillers. When mixed with water, the result is a paste like, trowelable but not self-leveling mortar, which is workable for approx. 20 minutes, less in hotter periods and more in colder periods. It is walkable after approx. 2 hours at +20 degrees.

The mortar cures by “Ardurapid” technology and curing to a compound which chemically utilises the mixing water in building a reinforced crystalline structure reducing shrinkage in the floor finish. 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:

PANDOMO® K2 is designed for installation over dry, internal, crack free concrete subfloors which are firm and free from dust.

For application over concrete subfloors prone to future cracking or suitable under floor heating systems, refer to current unbounded system in ARDEX A38 datasheet, available at www.ardexaustralia.com or by contacting Ardex Australia. Bonded systems in these situations will experience cracking through movement.

The substrate should be shot- blasted or diamond ground to remove impurities, parting agents, loose upper zones and binding agent concentrations.

To apply PANDOMO® K2 in a scratch coat manner, the substrate must be primed first with ARDEX WPM 300 epoxy primer and then sand blinded with PANDOMO® HG Hardgrain sand.

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

To avoid colour differences at mixed substrates and repel against rising damp from the substrate, the substrate has to be primed and sand blinded with 2 coats of ARDEX WPM 300. The first coat as per the datasheet and second broadcast with PANDOMO®

HG sand (see technical leaflet).

Elastic edge strips should be placed against adjacent structural elements, and can be sealed later, including permanently elastic sealing.

The substructure must be permanently dry. If in doubt, prepare a trial surface.

Level requirements:

Due to the coats low thickness of only 2-4 mm, PANDOMO® K2 demands increased requirements regarding the level of the substrate (min. Class A to AS3600 or AS1884). 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, at earliest the following day, these areas must be primed again with ARDEX WPM300 and sand - blinded with PANDOMO® HG. Unbonded excess sand must be removed the subsequent day, prior to application of PANDOMO® K2.

Application:

Mix 25 kg of PANDOMO® K2 with 5 litres of water, (which has first been mixed with the blend of CC Color-Concentrate to achieve required colour) for a minimum of 2 minutes, until a lump free 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 to the 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, however preferably a flexible trowel.

It is possible to apply the mortar in a thin layer while standing, if a small rubber squeegee is used. A 40cm 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.

Design, thin, trowel applied finish

To achieve an even 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 is essential, 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 damage and unwanted surface marking.

Expansion joints:

Cracks caused by dynamic processes inside the building are transferred to the surface.

Expansion joints within the substrate must be carried through the finish. The construction supervisor may instruct to add additional expansion joints.

In accordance with normal practice, perimeter expansion joints must be enforced and expansion joints can be sealed in a way as to remain permanently elastic.

Expansion joints are also recommended in change in flooring configuration. (e.g. large room flowing into smaller hallway)

A number of special profiles are available for expansion joints in different designs (even for coloured joints).

Sealing:

The sealer chosen should be project specific and is dependent on performance requirements, compatibility to K2 and gloss level.

PANDOMO® have a standard sealing system offered to achieve a matt or satin finish, however please contact Ardex to discuss key features needed for performance.

Sealing may be done approx. 24 hours (at +20 °C) after the PANDOMO® K2 floor has been laid. If drying conditions are unfavourable correspondingly longer waiting times should be allowed for before

the sealer is applied.

Prior to the application the dry surface has to be polished with a 3 head machine (TRIO at 60 or 80 grit). With a single disc machine and a white pad fine dust particles have to be removed from the surface. The sealer can only be applied onto clean and dust free surfaces.

Please note some sealers have enriching capabilities and some sealers do not. This will affect the colour of the finished surface dependent on which sealer is chosen.

Note:

PANDOMO® K2 cannot be used outside or in permanently wet areas or directly over waterproofing membranes.

Heating cables cannot be embedded in the floor finish. (Refer to Ardex A38 datasheet)

A sufficiently large sample or trial area should be completed for approval by the client. This sample should be accompanied by the signed client understanding letter.

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 eyes, consult a doctor as well.

Physiologically and ecologically harmless in the cured state.

GISCODE ZP1 = product containing cement, relatively chromate-free.

panDOMO® K2

Design, thin, trowel applied finish

TECHNICAL DATA ACCORDING TO ARDEX QUALITY STANDARDS:

Mixing ratio: approx. 5 l water : 25 kg 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 m² 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/mm²
after 7 days approx. 23 N/mm²
after 28 days approx. 32 N/mm²

Tensile bending strength:
after 1 day approx. 4 N/mm²
after 7 days approx. 6 N/mm²
after 28 days approx. 10 N/mm²

Ball pressure hardness:
after 1 day approx. 40 N/mm²
after 7 days approx. 55 N/mm²
after 28 days approx. 70 N/mm²

Slip resistance classification DIN 51131:
R10

Resistant to chair castors: yes

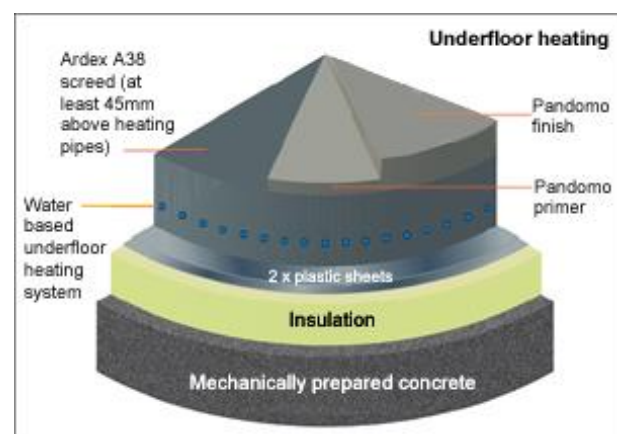
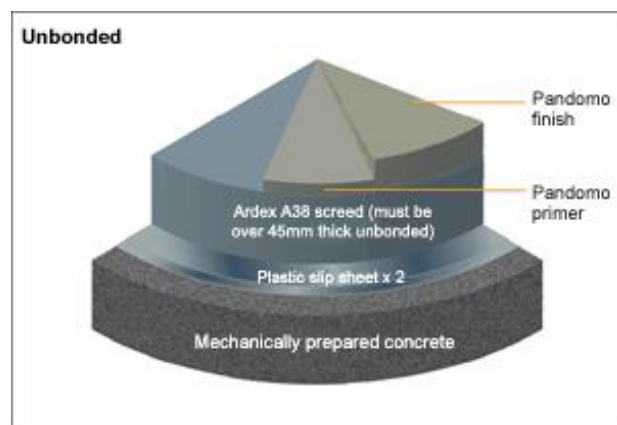
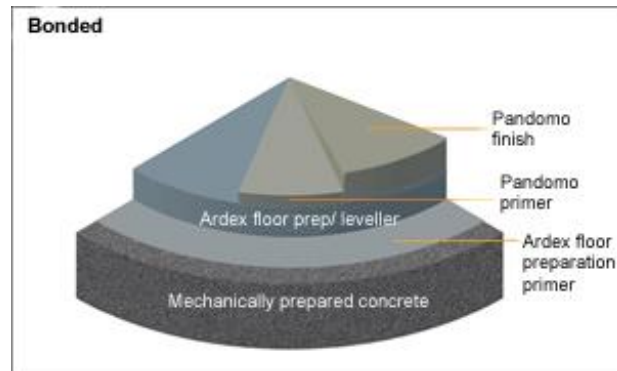
Suitable for floor heating: yes

Electrical floor heating: no

pH-rating: After 1 day 11

Packaging: bags with 25 kg net

Storage: 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 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. GB 251 08/2010