



FOR GOOD REASONS

panDOMO® W1

Decorative finishing render

For creating and designing the surfaces of walls and ceilings
in internal areas

Cement/synthetic based

Hardens and dries rapidly to a stress-free layer
without cracks in all thicknesses

Easy to apply.

Excellent adhesion

High yield



Reg. No. 37344

Manufacturer
with certified quality system
as per DIN EN ISO 9001

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Use:

Installation of illustrative finishes characterised by a creative design, such as surfaces in exhibition rooms, foyers, public buildings, sales premises and in private residences.

Description:

White powder made of special cement, flexible polymer additives and selected fillers.

The powder is mixed with water to give a supple mortar which can be applied as a finishing compound in both thin and thick layers and is workable approx. 30 minutes. Dry mortar is stress-free and open to diffusion.

PANDOMO W1 is not developing corrosion.

Substrate preparation:

The substrate

- concrete
- cement and lime cement plastering
- gypsum plastering and gypsum wall boards
- masonry
- mineral floating and set
- gypsum plasterboards
- gypsum fibre boards
- tiles and slabs
- colourfast dispersion coatings
- old latex paints
- acrylate paints
- acryl enamel coatings
- alkyd resin coatings
- glass fibre hangings, painted

Must be dry, solid, stable as well as free of dust, dirt and other barrier materials.

Remove old, weakly adhered residues or coatings, loose plaster/render and wall papers.

Acryl enamel coatings, alkyd resin coatings as well as tiles and slabs have to be pre-fill with a thin layer of PANDOMO W1

For gypsum wall boards, masonry and all surfaces with mixed backgrounds, apply a coat of PANDOMO Primer, diluted 1 : 2 with water, to avoid colour tone differences.

Application:

Clear water is put into a clean mixing container and whilst stirring vigorously as much powder is mixed in to give a supple, lump-free mortar.

Approximately 2.5 l of water are needed to mix 5 kg of PANDOMO W1 powder.

After a maturing period of 1–3 minutes and repeated stirring, the mortar can be worked at temperatures between 18–20 °C within approx. 30 minutes.

Holes and cracks can be filled with PANDOMO W1.

When preparing two-dimensional areas with finishing render, the preparation layer should be tinted to adapt it to the required colour tone until a layer thickness of 20 mm.

When tooling of the surface to produce decorative effects the thickness should be at least 2 mm.

Tinting of finishing compounds:

The 10 PANDOMO FT colour concentrates from the PANDOMO system can be mixed into the fresh mortar or added to the mixing water. With large surfaces, the mixing water should be coloured to avoid daywork joints between applications.

The different colour formulations can be seen from the PANDOMO W1 colour tables and must be followed exactly. The system allows one to create individual colour tones.

The details given in the colour table are only for your guidance, and can vary depending on the substructure, layer thickness and ambient conditions.

To allow for an exact dosing of the quantity of the PANDOMO FT colour concentrates, a balance is required (accurate to a gram).

PANDOMO-Wall – Designing smooth wall and ceiling surfaces:

The follow-up treatment can already start after approx. 60 minutes from filler application at temperatures between 18 and 20 °C. Use a moist sponge or a pump sprayer to dampen the surface, and a plastic smoothing tool to finish the surface.

After having allowed the filler to dry sufficiently (about 5 hours), the surface must be polished using a suitable eccentric grinder (e.g. Rotex, from Festo) and a grinding disc with an abrasive grain size of 120. We recommend to carry out a simple impregnation (bringing about a colour intensification) using PANDOMO SL stone oil – see technical leaflet.

PANDOMO-Wall-Unique – Designing structured wall and ceiling surfaces:

PANDOMO W1 can be designed using normal structuring tools within the processing time (30 minutes).

After a sufficiently long drying period surface has also to be polished and impregnated with PANDOMO SL stone oil.

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Note:

The maximum adding of the PANDOMO colour concentrate can be seen from the colour table.

It is strongly recommended to direct the attention to the substrate before beginning with the creative wall design and to lay out a sufficient large trial area for assessing and holding through the client.

Creative wall design in low-humidity zones as well as in residential bathrooms and lavatories can be carried out with PANDOMO W1. It is not recommend for use within the range of direct splashing water in the proximity of showers.

There is no problem to rework impregnated PANDOMO W1 areas at later renovation works.

Product contains cement. Causes an alkaline reaction requiring protection of the skin and the eyes. If product comes into contact with the skin and eyes, thoroughly rinse with water. In case of contact with the eyes, seek medical help.

Once hardened, the material is physiologically and ecologically safe.

Technical data according to ARDEX quality standards:

Mixing ratio: approx. 2.5 l water : 5 kg powder
is equivalent to approx.
1 vol. of water : 1.8 vol. of powder

Bulk density: approx. 0.9 kg/l

**Weight
of fresh mortar:** approx. 1.4 kg/l

**Material
requirement:** approx. 1.0 kg per m² and mm

**Working time
(+20 °C):** approx. 30 min.

**Compressive
strength:** after 1 day approx. 4.5 N/mm²
after 7 days approx. 8.0 N/mm²
after 28 days approx. 13.0 N/mm²

**Tensile
bending strength:** after 1 day approx. 1.5 N/mm²
after 7 days approx. 3.0 N/mm²
after 28 days approx. 5.0 N/mm²

**Water vapour
diffusion coefficient
μ according
to DIN 53122**

(whole system): approximately 210

GISCODE: ZP1 = product contains cement,
low chromate content

Packaging: bags with 5 kg net in packs of 4

Storage: can be stored for approx. 6 months
in dry rooms