



pan**DOMO**[®] W1

Decorative finishing render

To designing and creating walls & ceilings in internal areas

Cement/Polymer based

Fast Drying

For layer thicknesses of 2 – 20mm

Easy to apply

Excellent adhesion



Reg.No. 37344

Manufacturer with
certified quality system
as per DIN EN ISO
9001

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Use:

Internal use only.

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. 20 minutes, lesser in hot periods and more in colder periods.

The hardened render is inert, virtually tension free and vapour permeable.

Substrate preparation:

Suitable substrates

- concrete
- cement and lime plaster
- gypsum plaster and gypsum wall boards
- masonry
- gypsum plasterboards
- Fibre cement
- colourfast dispersion coatings
- acrylic paints

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.

For priming, apply a coat of ARDEX P51 primer diluted 1:1 with water.

Application:

Potable water is put into a clean mixing container and whilst stirring vigorously 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 applied at temperatures between 18–20°C within approx. 30 minutes.

Small holes and minor, stable cracks can be filled using Pandomo® W1. When preparing two-dimensional areas with finishing render, the first preparation layer should be tinted to adapt to the

required colour tone, up to a nominal layer thickness of 2 mm.

When trowelling the surface to produce decorative effects the minimum thickness should be 2mm.

Pigmenting the finishing compounds:

The PANDOMO® CC colour concentrates from the PANDOMO® system can be mixed into the fresh mortar or added to the mixing water. For large areas, the mixing water should be coloured to avoid colour changes between day to day application.

The different colour formulations can be seen from the PANDOMO® W1 colour tables and must be followed exactly.

The system also 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 exact dosing of the PANDOMO® CC concentrates, a weighing scale is required (accurate to a gram).

PANDOMO® Wall – Designing “homogenous” wall and ceiling surfaces: (Refer to Pandomo 2011 colour brochure for aesthetic look)

The follow-up treatment can start approx. 60 minutes after render application; at temperatures between 18 and 20°C.

Time can vary depending on the temperatures on site.

Use a moist sponge to dampen the surface, and venetian smoothing blade to flatten & finish the surface.

PANDOMO® Wall-Unique – Designing a “Smooth” structured wall and ceiling surfaces: (Refer to Pandomo 2011 colour brochure for aesthetic look)

PANDOMO® W1 can be designed using normal structuring tools within the processing time (30 minutes). The high spots left at time of troweling will darken when grinding to create structured wall and ceiling surface.

Having allowed the render to dry (about 5 hours, longer in colder conditions), the surface must be polished with a suitable eccentric grinder (e.g. Rotex from Festo) using a grinding disc with an abrasive grain size of 120 grit.

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Sealing:

The Wall can be sealed with suitable topical matt, satin or gloss clear sealing systems.

PANDOMO® SL stone oil can be used to achieve a natural look. – See technical datasheet.

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:

The maximum addition rate of the PANDOMO® colour concentrates can be seen from the colour charts.

It is strongly recommended to prepare the substrate thoroughly before beginning the creative wall design.

In addition 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.

Creative wall designs in residential bathrooms and lavatories can be carried out with PANDOMO® W1.

It is not recommended for use within range of direct splashing or running water in the proximity of showers.

There is no problem to reapply PANDOMO® W1 directly over impregnated PANDOMO® W1 areas during subsequent 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 the eyes, thoroughly rinse with water. In case of contact with the eyes, seek medical help.

Once hardened, the material is inert and non-hazardous.

Technical data according to ARDEX quality standards:

Mixing ratio: approx. 2.5 l water : 5 kg powder 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 – 1.5 kg per m² per designed surface on a plane substrate.

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): approx. 210

GISCODE: ZP1= product contains cement, low chromate content

Packaging: 5 kg bags supplied in packs of 4

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

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