

Technical Datasheet

PANDOMO Studio White

Decorative thin-layer design smoothing compound

- › Easy to use
- › Excellent adhesion
- › High yield
- › High surface strength
- › Low stress
- › Walkable after a short time
- › Load-bearing within a short time

For designing uniform, homogeneous indoor walls, ceilings and floors. Cement-polymer basis With ARDURAPID® effect, MICROTEC® technology



Uses

For floors, walls and ceilings. For indoor use.

Care should be taken to ensure that the floor does not exceed 32°C in temperature.

To produce impressive, creatively designed visible and usable surfaces that are subject to normal impact and shock, e.g. in salesrooms, restaurants, cafés, prestigious entrance halls, private living areas, exhibition rooms etc.

Characteristics

White powder consisting of special cements, plasticising synthetic additive powders, selected fillers, Microtec fibres and special additives.

The contents of the bag are mixed with approx. 3.9 l water to form a smooth paste. The compound is easy to apply with a trowel to form a thin layer and remains workable for approx. 40 minutes.

Substrate preparation, walls

- › concrete
- › cement and lime-cement renders
- › gypsum plaster and gypsum wallboards mineral textured renders and synthetic resin renders
- › gypsum plasterboards
- › fibre-reinforced plasterboards
- › ceramic tile and slab floors
- › washable dispersion paints
- › old latex paints
- › polyacrylate paints
- › acrylic paints
- › alkyd paints
- › glass fibre wallpaper, painted

Old, non-adherent or poorly bonded coats must be removed, as well as loose render and wallpaper.

A thin layer of PANDOMO® W1 must first be applied to acrylic paints, alkyd paints, painted glass fibre wallpaper, as well as to ceramic tile and slab floors.

A woven fabric (e.g. ARDEX BU-R) must be trowelled onto gypsum plasterboard, masonry and all mixed substrates.

The surfaces must be primed with ARDEX P4 to achieve a uniform structure.

open your space



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Substrate preparation, floors

- › polyacrylate paints
- › acrylic paints
- › alkyd paints

Substrate must be permanently dry, firm, free of cracks, and free of dust, dirt and other surface contamination.

The substrate should first be sand or shot blasted to remove dirt and other surface contaminants, loose upper layers and accumulations of bonding agents.

If in doubt, create sample surfaces.

If the product is to be applied with a scratch coat first, the substrate should first be primed using PANDOMO® EP solvent-free epoxy resin primer and sanded with PANDOMO® HG hard-grain sand (for details, see PANDOMO® HG container).

This preparation will ensure optimum adhesion to the substrate and prevent air bubbles from rising to the surface. The following day, any loose sand can be swept or vacuumed away.

Levelness requirements

Since PANDOMO® Studio is 1,5-3 mm thick overall, the levelness of the substrate must fulfil high demands. (Observe Q4 for walls, and notes in BEB Data Sheet for Design Filling Compounds for floors).

Application

Mix powder vigorously into clear/dyed water in a clean container to produce a smooth mortar with no lumps.

Approx. 3.9 l water are needed for 12.5 kg of PANDOMO® Studio. The material remains workable for approx. 40 min. at temperatures of +18 °C to 20 °C, whereby lower temperatures lead to longer and higher temperatures to shorter processing times.

It is not advisable to work with the material at temperatures below 10 °C.

Apply the material directly on the surface in question, made of PANDOMO® HG or primed with ARDEX P 4, in small quantities using a spring blade and scrape it back. Move the trowel in short, irregular movements in order to achieve a "presentable" pattern.

The material should be applied in three coats in order to achieve a smooth and quiet surface texture.

For the first two layers, add 100 g PANDOMO® HG to 1 kg PANDOMO® Studio. The third coat is prepared without adding PANDOMO® HG.

The third coat can be applied using a pump dispenser to achieve a cloudy surface finish. Each layer should be dry and walkable before the next layer is applied.

Good lighting conditions are essential during application.

Variations in the intensity and duration of the stirring process, and using different amounts of water etc., can lead to differences in colour. Care must therefore be taken to ensure that the individual mixtures are produced uniformly.

Sealing

Floor surfaces can be polished using a three-disk sander, e.g. TRIO, before sealing/impregnating them. Wall surfaces can be polished using an orbital/rotary hand-held sander, e.g. Mirka or Festool.

Only PANDOMO® SP-SL, PANDOMO® Impregnation and PANDOMO® SP-PS are approved for sealing polished PANDOMO® Studio.

Only apply the oil to a clean, dust-free surface; cf. the appropriate technical data sheet.

Please note:

PANDOMO® Studio must not be used outdoors or in permanently wet areas.

Notice

Contains Portland cement.

Causes severe damage to eyes. Keep out of the reach of children. Wear eye protection, protective gloves.

IF ON SKIN: Wash with plenty of water and soap.

IF IN EYES: Rinse carefully with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Avoid inhaling dust. Store in a dry place.

Dispose of contents/containers in accordance with local/regional/ national/international regulations. Physiologically and environmentally harmless once set.



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Technical Specifications According to ARDEX Quality Standards:

Mixing ratio	approx. 3.9 l water: 12.5 kg powder
Bulk density	approx. 1.2 kg/l
Fresh motar weight	approx. 1.8 kg/l
Material requirement	approx. 1.5 kg powder per m ² (applying 3 layers)
Working Time*	approx. 4 minutes
Walkability*	approx. 3 hours

* These are approximate values calculated in laboratory conditions at +20°C temperature and 65% relative humidity. Environmental and atmospheric conditions may alter these values. High temperatures and lower relative humidity shorten these durations, while lower temperatures and higher relative humidity extend them.

Minimum temperature of substrate, water and powder	+ 10 °C
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Mechanical properties

Compressive strength	Time	Approx. Compressive Strength
	After 1 day	16 N/mm ²
	After 7 days	25 N/mm ²
	After 28 days	30 N/mm ²
Bending tensile strength	Time	Approx. Bending Strength
	After 1 day	4.0 N/mm ²
	After 7 days	7.0 N/mm ²
	After 28 days	10 N/mm ²
Brinell hardness	Time	Approx. Flexural Strength
	After 1 day	50 N/mm ²
	After 7 days	70 N/mm ²
	After 28 days	80 N/mm ²

Product details

Suitable for castor chairs	Yes
Suitable to underfloor heating	Yes
Suitable for electrical underfloor heating	No
pH Value	Approx. 9
EMICODE:	EC 1 ^{PLUS}
GHS/CLP classification	GHS05 "Corrosive" Signal word: Danger
GGVSEV/ADR classification	none
Packaging	Sacks with a net weight of 12.5 kg
Storage and Shelf Life	Can be stored for approx. 6 months in sealed, original containers in dry surroundings

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