



# PANDOMO® Studio

## Decorative thin-layer design smoothing compound colour shade concrete grey

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

concrete  
grey



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

### For floors, walls and ceilings. For indoor use.

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:

Factory dyed 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:

Substrate

- 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

must be dry, firm, sound, and free of dust, dirt and other surface contamination.

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.



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Manufacturer with QM/EM system  
certified in accordance with  
DIN EN ISO 9001/14001

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### Substrate preparation, floors:

Substrate

- concrete
- cement screed CT-C25-F5
- calcium sulphate screed CA-C35-F5

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:

As the total layer thickness of PANDOMO® Studio is 2 - 4 mm, increased demands are made on the evenness of the substrate. (Q4 on the wall, on the floor Note BEB Merkblatt für Designspachtelmasen). If necessary, the entire surface must be levelled.

ARDEX K 39 should be used for this in layer thicknesses up to 4 mm. For layer thicknesses over 4mm, PANDOMO K1, K3 or ARDEX K 80 should be used.

ARDEX K 80 filler can be applied without aggregate in one operation up to 10 mm thick. For layer thicknesses above 10 mm up to max. 20 mm, ARDEX K 80 can be bulked out as follows:

### Mixing material/ Mixing ratio

Mixing material/ Mixing ratio	Washed Grain size	Mortar Mix	
Sand	0 – 2 mm	1,0 vol.	0,3 vol
Ardex SPS Special sand	0 – 3 mm	1,0 vol.	0,3 vol

Always prime with PANDOMO EP Neu sanded between and under the layers.

It is recommended to lightly sand the dry surface with 80 grit to smooth out sand nodules/unevenness. The sand and the epoxy resin primer must not be removed in the process.

### 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 P4, 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 data based on ARDEX Quality Standards:

Mixing ratio:	approx. 3.9 l water: 12.5 kg powder
Bulk density:	approx. 1.2 kg/l
Fresh mortar weight:	approx. 1.8 kg/l
Material required:	approx. 1.5 kg powder per m <sup>2</sup> (applying 3 layers)
Pot life at +20 °C:	approx. 40 min.
Minimum temperature of substrate, water and powder:	10 °C
Walkability at +20 °C:	approx. 3 hours
Compressive strength:	after 1 day: approx. 16 N/mm <sup>2</sup> after 7 days: approx. 25 N/mm <sup>2</sup> after 28 days: approx. 30 N/mm <sup>2</sup>
Bending tensile strength:	after 1 day: approx. 4 N/mm <sup>2</sup> after 7 days: approx. 7 N/mm <sup>2</sup> after 28 days: approx. 10 N/mm <sup>2</sup>
Brinell hardness:	after 1 day: approx. 50 N/mm <sup>2</sup> after 7 days: approx. 70 N/mm <sup>2</sup> after 28 days: approx. 80 N/mm <sup>2</sup>
Suitable for chair castors:	yes
Suitable for floor heating:	yes
Electric underfloor heating:	no
pH value:	after 1 day: approx. 9-10
Packaging:	Sacks with a net weight of 12.5 kg
Labelling according to GHS/CLP:	GHS05 "Corrosive" Signal word: Danger
Labelling according to GGVSEB/ADR:	none
Storage:	can be stored for approx. 6 months in original unopened containers in dry surroundings