



ARDEX P 51

Primer and bonding agent

- Concentrate
- Reliable primer with a wide range of applications
- Primer, bonding agent and pore filler with water-repellent effect
- Prevents air bubbles from rising from the substrate during filling
- Solvent-free



Area of application

Indoor use. Floors, walls and ceilings.

Priming, pre-coating, bonding agent and pore sealer with water-repellent effect.

For bonding powdery substrate surfaces, e.g. on sanded, absorbent calcium sulphate and calcium sulphate self-levelling screeds, for priming cement screeds, for accepting filling, levelling and smoothing compounds.

As a bonding agent on smooth concrete floors, particularly compacted cement screeds, modified calcium sulphate screeds, Terrazzo, sandstone, tiles and slab coverings when using levelling compounds and thin-bed mortars.

As a bonding agent on old substrates with adhering levelling compound and adhesive residues.

As a pore sealer on concrete floors and cement screeds

- prevents air bubbles from rising from the substrate during subsequent filling applications
- prevents mixing water from being knocked away during subsequent filling.

For priming gypsum, calcium sulphate and chipboard for thin-bed concrete mortar.

As a bonding agent on smooth concrete for gypsum-based wall fillers.

Protective coating for dust binding on fillers and levelling compounds that are used as work surfaces for a short time.

Art

Solvent-free synthetic resin dispersion which, after drying, significantly inhibits the penetration of water.

Substrates

The substrate must be dry, solid and free of dust and release agents.

Processing

Pour ARDEX P 51 Primer and bonding agent into a clean container and mix with the amount of water specified for the mixing ratio.

Apply the primer evenly with a broom, brush or roller and allow to dry to a clear, thin film before starting the next step.

Please note

When applying to old substrates, ensure that the levelling compound and adhesive residues are waterproof, sufficiently load-bearing for future loads and adhere well to the substrate. Allow the primer film to dry overnight. Water-soluble levelling compound and adhesive residues (e.g. containing sulphite lye) must be completely removed.

For adhesive residues based on polyurethane, epoxy resin and bitumen, use ARDEX P 82 Synthetic Resin Primer as a bonding agent.

Note

The information in our safety data sheets must be observed.

ARDEX P 51

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For commercial users only!

Dispose of the container and its contents in a solidified state in accordance with applicable local/regional/national/international regulations.

Additional information

Handle with care during processing: avoid dust formation and release into the environment.

Overview table

The table below on the application of primers also shows the pre-treatment of substrates for subsequent filling, levelling and smoothing work with products from the ARDEX range.

Substrate	Primer	Dilution ARDEX P 51 / ARDEX P 52 : Water
Smooth and dense substrates, such as prefabricated concrete floors, particularly compacted cement screeds, modified calcium sulphate screeds, Terrazzo, sandstone, tile and slab coverings, old substrates with adhering levelling compound and adhesive residues, when using levelling compounds and thin-bed mortars	ARDEX P 51, ARDEX P 52, ARDEX P 4 READY, ARDEX P 82	1 : 0.5 1 : 0.5 - -
Raw concrete floors and ceilings	ARDEX P 51, ARDEX P 52, ARDEX P 4 READY	1 : 1 1 : 1 -ARDEX P 51,
Cement screeds, porous, highly absorbent, between levelling and levelling compounds	ARDEX P 51, ARDEX P 52	1 : 5 1 : 5
Calcium sulphate screeds and calcium sulphate self-levelling screeds, absorbent and sanded	ARDEX P 51, ARDEX P 52	1 1 : 3
Smooth concrete walls and ceilings for gypsum-based levelling compounds	ARDEX P 51, ARDEX P 52	1 1 : 3
Gypsum wallboards and gypsum plaster for cement-based wall levelling compounds and thin-bed mortars	ARDEX P 51	1
Wood chip boards when using levelling and smoothing compounds for tile laying	ARDEX P 51, ARDEX P 52, ARDEX P 82 ARDEX P 4 READY	undiluted undiluted - -
Mastic asphalt, poorly sanded, old mastic asphalt floors, asphalt slab coverings, magnesite floors, plastic coatings, plastic floors, lacquers, paint coatings, metals, wood, lacquered, under thin-bed mortars and levelling compounds	ARDEX P 82 ARDEX P 4 READY	- -
Concrete floors and cement screeds in outdoor areas and wet indoor areas for levelling with ARDEX K 301, between ARDEX K 301 compound layers	ARDEX P 51	1 : 7

Technical data according to ARDEX quality standard

Material requirement approx.	Component A	Component B	Consumption	Condition
			300 G/m	Undiluted
	1 Part Dispersion	0.5 Part water	200 G/m	
	1 Part Dispersion	1 Part water	150 G/m	
	1 Part Dispersion	3 Part water	50 G/m	
	1 Part Dispersion	5 Part water	30 G/m	

Product details

Labelling according to GHS/CLP	See relevant safety data sheet
Labelling according to ADR	See relevant safety data sheet
Packaging	Canisters with 5 kg and 25 kg net, bottles with 1 kg net



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Storage

Can be stored frost-free for approx. 12 months in the original sealed container.
Store in an upright position.
