



ARDEX R 1

Renovation-compound

- Fast drying thanks to ARDURAPID® effect
- Adheres to almost all substrates commonly used in construction without primer
- Layer thicknesses up to 10 mm
- Working time 45 min
- Very easy to sand



Preparation of the surface

The substrate must be dry, solid, load-bearing and free of dust, dirt and other separating agents. Old, non-adhesive or weakly bonded paint coatings as well as loose plaster and wallpaper must be removed.

Area of application

For indoor use on walls and ceilings.

- Smoothing and filling wall and ceiling surfaces for wallpaper, paint coatings, dispersion plasters and wall coverings.
- Smoothing and filling wall and ceiling surfaces in renovation and new construction.
- For producing surfaces of finish grades 1–4 in accordance with ÖNORM B 3415.
- Filling cracks, deep holes, slits and joints in gypsum and gypsum fibreboards and other building boards.
- Sealing joints in precast concrete ceilings.

Art

White powder made from special cements and elasticising plastic powders.

The powder is mixed with water to form a smooth paste that is easy to apply with a trowel and can be worked for approx. 45 minutes.

Dried layers are low tension and permeable to diffusion.

ARDEX R 1 Renovation-compound is not corrosive.

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Manufacturer with certified
QM/UM system according to
EN ISO 9001/14001

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Substrates	without primer	with primer
Cellular concrete	☒	
Concrete	☒	
Brickwork	☒	
Gypsum board		ARDEX P 4 READY ARDEX P 51 ARDEX P 52
Lime sandstone	☒	
Gypsum filler	☒	
Gypsum and gypsum fibreboards		ARDEX P 4 READY ARDEX P 51 ARDEX P 52
Cement fibre boards	☒	
OSB board ÖNORM EN 300		ARDEX P 82
Wood chipboard P4-P7		ARDEX P 51 ARDEX P 52 ARDEX P 82
Tile and slab coverings	☒	
Natural Stone	☒	
Acrylic lacquer coatings and alkyd resin coatings	☒	
waterproof, scrub-resistant and washable matt dispersion paints	☒	
Latex paints	☒	
mineral rubbing plasters	☒	
MG 2 lime-cement mortar	☒	
MG 4 Cement mortar	☒	
MG 4 Gypsum mortar		ARDEX P 4 READY ARDEX P 51 ARDEX P 52
Synthetic resin plasters	☒	

Processing

Pour clear water into a clean mixing container and stir vigorously, adding enough powder to produce a smooth, lump-free, stable mortar.

Approximately 5 litres of water are required to mix 10 kg of ARDEX R 1 powder.

Only mix as much material as can be used within 45 minutes.

After a "maturing time" of 1–3 minutes and stirring again, the mortar can be used for approx. 45 minutes at +20°C and can be applied immediately in the desired layer thickness up to 10 mm.

Just 40–60 minutes after application with a trowel, finishing work can begin, which takes approx. 20–30 minutes depending on the absorbency of the substrate and the temperature.

To achieve sufficiently smooth surfaces for most applications, the mortar is smoothed with a trowel after setting.

To achieve particularly smooth surfaces, the surface can be smoothed again with a slightly damp sponge within the "sponge time" of approx. 50–60 minutes.

It is also possible to felt the surface and then scrape it off sharply with a smoothing trowel.

Higher temperatures shorten the setting and finishing times, while lower temperatures prolong them.

In case of doubt, apply to test areas.

ARDEX R 1 Renovation Filler should be applied at temperatures above +5°C.

The processing recommendations for paint coatings, wallpaper, dispersion plasters and wall coverings must be observed.

Aftercare

At normal temperatures (+18°C to +20°C), even thick layers of filler are dry enough after 1 day to allow painting, wallpapering and the application of synthetic resin plasters.

Do not fluate ARDEX R 1 compound layers. When spot filling for subsequent work, take into account the different absorbency and alkalinity of the substrate.

Follow the processing recommendations for paint coatings, wallpaper, dispersion plasters and wall coverings.

Note

The information in our safety data sheets must be observed.
For commercial use only!

Zusatzinformation

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

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

Technical data according to ARDEX quality standard

Mixing ratio approx.	Component A	Component B
	5 l Water	10 kg powder
	1 Part water	2 RT powder
Material requirements	0.8 kg powder per m ² and mm	
Bulk density approx.	1,00 kg/l	
Fresh weight approx.	1,10 kg/l	

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Application properties

Processing time approx.	45 Minute(s)
Paint coating and gluing work	After drying, approx. 1 day
Revision time	After 1 day (at least 16 hours)
Application Ambient conditions	+20°C

Mechanical properties

Bending tensile strength approx.	Time After 28 days	Bending tensile strength approx. 2 N/mm ²
Compressive strength approx.	Time After 28 days	Compressive strength of approx. 4 N/mm ²
Ball pressure hardness approx.	Hardness 5 N/mm ² 12 N/mm ²	Time After 1 day After 7 days

Product details

PH value approx.	12
Labelling according to GHS/CLP	See relevant safety data sheet
Labelling according to ADR	See relevant safety data sheet
EMICODE	EC 1 PLUS = very low emissions PLUS
GISCODE	ZP1 = cementitious product, low chromate content
Packaging	Sacks containing 10 kg net
Storage	Can be stored in dry rooms for approx. 6 months in the original sealed container.