



# ARDEX B 10

## Concrete thin-coating compound

- For concrete cosmetics and finishing after repair works
- For filling fine cracks and pores in concrete surfaces
- Ideal for ultra-fine skim coats
- Water and weather resistant



### DESCRIPTION

Grey powder based on rapid hardening cement. Improved with special synthetic materials. When mixed with water the result is a supple, paste-like, stable mortar, which is easy to work, hardens by hydration and drying. The surface is resistant to water and weather. Can be used indoors or outdoors.

Used for smoothing, repairing and coating walls and ceilings made of concrete, for filling fine cracks and pores in concrete surfaces.

### SUBSTRATE PREPERATION

The substrate can be dry or moist, but must be gripped, firm and free from dust, dirt and other release agents. Coats of paint, plastering and rendering residue, lime spatter, etc. must be removed.

Metal surfaces must have an anti-corrosive layer which at the same time serves as a bonding agent.

### APPLICATION

Pour clean water into a clean mixing container and whilst stirring vigorously as much powder is mixed in to give a supple, paste-like, lump-free mortar. Approximately 9 litres of water is needed to mix 25 kg of ARDEX B 10 powder.

The mortar is workable for about 30 minutes at +18° to +20°C and can be applied up to 3mm even on large surface areas. The coating hardens by hydration and drying under normal temperature in approximately 1 hours to such an extent that further operations such as grinding or subsequent smoothing with ARDEX B 10 can be carried out. Higher temperatures shorten, lower temperatures lengthen working and hardening times.

In order to achieve a color match with surrounding concrete surfaces ARDEX B10 can be dyed with cement-fast colour pigments. These should first be mixed with water to form a homogeneous paste before mixing with ARDEX B10. The colour additive can be up to 3% by weight of ARDEX B10. In doubt carry out tests.

ARDEX B10 must be worked at temperatures above +5° C both external and internal.



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**50150  
EN 1504-3:2006**

**ARDEX B 10**

Polymer-modified cementitious mortar for non-structural repair of reinforced concrete structures.

EN 1504-3:R2

Compressive strength:	R2 Class
Chloride ion content:	≤ 0,05 %
Adhesive Bond:	≥ 0,8 N/mm <sup>2</sup>
Restrained shrinkage/expansion:	NPD
Carbonation resistance	NPD
Modulus of elasticity	NPD
Thermal compatibility part1, freeze /thaw attack with de-icing salt	≥ 0,8 N/mm <sup>2</sup>
Skid resistance:	NPD
Coefficient of thermal expansion	NPD
Capillary absorption	≤ 0,5 kg/(m <sup>2</sup> ·√h)
Dangerous substances:	Complies to 504-3 article 5.4
Reaction to fire	NPD



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### SUBSEQUENT TREATMENT:

After complete drying ARDEX B 10 can be coated with limeresistant paint. Drying time depends on layer thickness and the prevailing weather conditions. A substrate that is still moist may produce efflorescence. Paint manufacturers' handling recommendations with regard to cement-bound substrates must be complied with regardless of whether the filling is all over or only in places.

### PRECAUTIONS

Contains cement. Irritates the eyes and the skin. May not come into children's hands. Avoid any contact with the eyes and the skin. In case of eye contact wash thoroughly with water at once and consult a doctor. Wear suitable protective gloves. Physiologically and ecologically safe when in a set state.

### TO BE OBSERVED

Ensure that ambient and surface temperatures are maintained above +5°C during both application and curing. If you plan to paint the surface corrected with ARDEX B 10, use a paint unaffected by lime.

The drying time may vary depending on the application thickness, ambient, and weather conditions.

If the surface where the application is made is damp, efflorescence may occur.

In conflicting situations, a test application must be performed without fail.

Before applying to metal surfaces, a primer with protective and adhesion-enhancing properties should be applied to prevent corrosion.

ARDEX V2001T product is the preferred choice for filling and correction on processes before applying decorative coatings or satin plaster.

### Technical Data According to ARDEX Quality Standards

Mixing ratio:	approx. 9 l water per 25 kg powder
Bulk density:	approx. 1,2 kg/l
Fresh mortar weight:	approx. 1,6 kg/l
Material requirement:	approx. 1,2 kg toz/m <sup>2</sup> ·mm
Working time (+20°C)	approx. 30 minutes
Compressive strength:	After 7 days approx. 10 N/mm <sup>2</sup> After 28 days approx. 15 N/mm <sup>2</sup>
Tensile bending strength:	After 7 days approx. 2,0 N/mm <sup>2</sup> After 28 days approx. 6,0 N/mm <sup>2</sup>
pH-value:	approx. 12
Corrosion tendency:	contains no ingredients with a corrosive effect on metals
GHS/CLP classification:	GHS 05 "corrosive" Signal word: Danger
GGVSEV/ADR classification:	None
Packaging:	25 kg paper bag
Storage and shelf life:	Can be stored for approx. 12 months in dry rooms in originally sealed packaging.