



CODE 0.554

beton decor coprente

Anti-carbonation/algae hiding waterproofer for exterior concrete

GENERAL PROPERTIES

BETON DECOR COPRENTE proves suitable for protecting and decorating interior & exterior cement structures, such as concrete and asbestos cement. It impedes peeling, lends a low degree of water absorption together with a notable water-repellent effect. Consequently, it inhibits impregnation on the surfaces exposed to water, thus avoiding the formation of efflorescence.

BETON DECOR COPRENTE features a powerful barrier against the passage of carbon dioxide & sulphur dioxide preventing the acidification of concrete, which causes reinforcement corrosion. Surfaces treated with BETON DECOR COPRENTE also maintain a good water vapour permeability.

Its specific broad-spectrum biocides lend an effective protection against the spreading of algae, fungi & mould.

“White” BETON DECOR COPRENTE, requires three coats in order to guarantee an optimum coverage.

INSTRUCTIONS

Substrate preparation:

- Remove any unsound paintwork, brush thoroughly to remove filth, flaky paintwork & efflorescence. Treat mould with ARDSAN RISANANTE MURALE. Ensure the substrate is perfectly dry and apply a layer of PAINTGUM 7 FONDO COPRENTE. Protruding reinforcing bars must be sanded and cleaned thoroughly. Use the anti corrosion product BOIACCA PASSIVANTE and ARD MALTA RAPIDA for renovation work. Particularly chalky substrates and asbestos cement must be treated with a layer of ISOLEX or PAINTGUM 7 FONDO COPRENTE (consolidating sealers). The latter is particularly suitable to avoid the floating of rusty patches.

Application:

Apply BETON DECOR as follows:

- Brush: stir well & apply the first coat, thinning BETON DECOR at 60-65% in water volume. Allow at least 6 hours before applying the second coat, thinning at 50-55% in water volume.
- Roller: thin the product at 35-45% in water volume.

- Air-spray gun: thin at 10-15% in water volume until roughly 80 DIN/sec viscosity (DIN cup # 4 at 20°C) and apply using 1,5-1,9 mm Ø nozzles - pressure around 3 kg/cm. Allow at least 6 hours between each layer.
- Do not apply at ambient or substrate temperature below +5°C or above + 35°C. Avoid applying in direct sunlight.
After application, exterior surfaces must be protected from rain until completely dry, normally after approx. 48 hours at 20°C.
- Wash equipment immediately after use with water.
- If different (colour) batches are used, we recommend mixing the various products thoroughly to avoid (even if slight) differences in shades.
- Store in cool, frost free premises.
- Surfaces with salt efflorescence or subject to rising damp must be restored before application in order to guarantee adherence.
- BETON DECOR is included in the 16COLOURS tinting system. Surfaces with an irregular thermal conductivity (sandwich panels) should not be painted with colours featuring a reflection index below 25.
- Use products in compliance with current Health & Safety Regulations. Dispose of spent material/containers according to the local regulations. Do not empty excess material into water tables.

Refer to the PSDS for further information.

TECHNICAL PROPERTIES

COLOUR	White, show card & 16Colours tinting machine hues		
ASPECT	Satiny		
MASS VOLUME	1380-1440 g/l		
DYNAMIC VISCOSITY	11.000 ± 14.000 cP		
DRYING AT 20°C	TOUCH DRY		4 hrs
	THROUGH DRYING		48 hrs
RECOATABLE			12 hrs min.
PERMEABILITY (CARBON DIOXIDE)	EN 1062-6	Sd CO ²	134 m
		s	100 microns
		μ CO ²	1340000
		RESULT	Complies (Sd CO² > 5m)
PERMEABILITY (WATER VAPOUR)	EN ISO 7783-1 & 2	Sd	0,1158 m
		s	100 microns
		μ	1158
		Class	L (Sd < 0,14m)
CAPILLARY ABSORPTION & WATER PERMEABILITY	EN1062-3	W	0,048 kg/m² √t
		RESULT	Complies (w<0,1)
ADHERENCE FOR DIRECT TRACTION	EN 1542	RESULT	Complies (adherence ≥ 0,7 Mpa)
THERMIC CYCLES WITHOUT THAWING SALTS	EN 13687-3	RESULT	Complies (adherence ≥ 0,7 Mpa)
EXPOSURE TO ARTIFICIAL ATMOSPHERIC AGENTS	EN 1062-11-2002		No peeling
			No fixtures
			No flaking
			Yellows slightly, loses gloss & chalks
		RESULT	Complies
HAZARDOUS SUBSTANCES		RESULT	Complies

In compliance with the EN 1504-2 Certification – products & systems for the protection/restoration of concrete surfaces. BETON DÉCOR COPRENTE is homologated against risks deriving from ingress (principle PI) & moisture control (principle MC).

YIELD

A two-coat painting cycle implies a yield of 6-6.5 m²/l on substrates with average absorption. The coverage on mineral substrates depends on the porosity, we therefore, recommend testing.

**TENDER
SPECIFICATION ITEM****ANTI-CARBONATION-ALGAE HIDING WATERPROOFER FOR
EXTERIOR CONCRETE**

Two coat application on pretreated concrete of protective paint like BETON DECOR COPRENTE, based on acrylic copolymers in aqueous dispersion & lightfast outdoor-resistant pigments, mould/algae resistant in compliance with the EN 1504-2 with a minimum consumption of 0.15 l/m².

€/m²

The data herein were correct at the time of Quality Control & refer to standardized environmental conditions. The same are to be considered as a guide.
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