



**ard f.lli raccanello s.p.a.
industria vernici e smalti**

TECHNICAL SHEET **305**

CODE 0.579.

beton decor elastomerico

Anti-carbonation algae resistant protective filler for concrete

GENERAL PROPERTIES

BETON DECOR ELASTOMERICO proves suitable for protecting and decorating interior and exterior cement structures, such as concrete and asbestos cement.

BETON DECOR ELASTOMERICO offers a remarkable long lasting barrier effect against acid gases, such as carbon dioxide, whilst preserving an open capillary passage for water vapour.

The particular features of the elastomers offer a good chemical/mechanical resistance & an optimum elasticity even in low temperatures - excellent when treating hair-cracks -.

The constituents of BETON DECOR COPRENTE have been selected to resist the strong alkalinity therefore impeding peeling whilst guaranteeing a lasting resistance to atmospheric agents.

INSTRUCTIONS

Substrate preparation:

- Walls, plaster & concrete: ensure the substrate has weathered for at least 28 days. Clean thoroughly removing any product residues, filth & unsound paintwork.
- Protruding reinforcement bars must be sanded (if possible) and cleaned thoroughly in order to remove rust & filth. Use BOIACCA PASSIVANTE 1.963.0040 as an anticorrosive treatment. Use ARD MALTA RAPIDA for structural repair work.
- Mould, moss & infested surfaces: after cleaning treat with SPRAY SAN 0.911 or ARDSAN RISANANTE MURALE 0.916.
- Ensure the surface is perfectly dry and apply a hand of PAINTGUM 7 FONDO COPRENTE or PAINTGUM 7 FILL.
- Cracks: widen to at least 1/2 cm using a flexible grinding wheel & seal accurately with ARDELAST STUCCO (refer to the TDS 98). Allow 12 hrs and apply 2 hands of BETON DECOR ELASTOMERICO.

Application:

- Structures with hairline cracks (protective elastic cycle): apply BETON DECOR ELASTOMERICO thinning at 5-10% by volume with water; distributing uniformly with a brush or wool roller. The product must be applied continuously "wet on wet".
- Allow at least 24 hrs & apply a second layer of BETON DECOR ELASTOMERICO (min consumption 250 ml/m² per hand).

- Apply at a temperature range of + 5°C - 35°C & RH below 75%. Do not apply on surfaces exposed to the sun. Exterior surfaces must be protected against rain for at least 48 hours.
- Wash equipment immediately after use with water.
- Not suitable for the protection of horizontal surfaces subject to backwater.
- To avoid peeling, detachment etc. we recommend recoating BETON DECOR ELATOMERICO with elastomeric products.
- Surfaces with salt efflorescence or subject to rising damp must be restored before application in order to guarantee adherence.
- BETON DECOR ELASTOMERICO is compatible with the 16COLOURS tinting system. Surfaces with an irregular thermal conductivity (sandwich panels) should not be painted with colours featuring a reflection index below 25.
- Store in cool, frost free premises.
- Use in compliance with the current Health & Safety regulations. Dispose of spent material/containers according to the same.

Refer to the PSDS for further details.

TECHNICAL PROPERTIES

COLOUR	White, show card & 16Colours tinting machine hues		
ASPECT	Satiny		
MASS VOLUME	1380-1480 g/l		
DYNAMIC VISCOSITY	13.000 ± 17.000 cP		
DRYING AT 20°C	TOUCH DRY		4 hrs
	THROUGH DRYING		48 hrs
RECOATABLE	24 hrs min.		
PERMEABILITY (CARBON DIOXIDE)	EN 1062-6	S _d CO ₂	130 m
		s	500 microns
		μ CO ₂	260000
		RESULT	Complies (S_d CO₂ > 5m)
PERMEABILITY (WATER VAPOUR)	EN ISO 7783-1 & 2	S _d	0,1158 m
		s	500 microns
		μ	2316
		Class	I (S_d < 5m)
CAPILLARY ABSORPTION & WATER PERMEABILITY	EN1062-3	w	0,037 kg/m² √t
		RESULT	Complies (w < 0,1)
ADHERENCE FOR DIRECT TRACTION	EN 1542	RESULT	Complies
THERMIC CYCLES WITHOUT THAWING SALTS	EN 13687-3	RESULT	Complies
CRACK RESISTANCE A-10°C UNI EN 1062-7	EN1062-7	CLASS	A3
EXPOSURE TO ARTIFICIAL ATMOSPHERIC AGENTS	EN 1062-11-2002		No peeling
			No fixtures
			No flaking
			Yellows slightly, loses gloss & chalky
		RESULT	Complies
HAZARDOUS SUBSTANCES		RESULT	Complies

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

YIELD

2 layers imply a coverage of 2m²/l.

**TENDER
SPECIFICATION ITEM**

**ANTI-CARBONATION ALGAE RESISTANT PROTECTVIE FILLER FOR
CONCRETE**

2 layer application on pretreated surfaces of protective coating based on synthetic elastic copolymers in aqueous emulsion & solid light-fast outdoor resistant pigments – suitable for the treatment of interior/exterior surfaces with hair cracks – type BETON DÉCOR ELASTOMERICO with a minimum consumption of 0,5 l/m².

€/m²

The data herein were correct at the time of Quality Control and refer to standardized environmental conditions.
The same are to be considered as a guide.
Revision 2014/11



ard · f.lli raccanello s.p.a. · industria vernici e smalti
35129 PADOVA – Zona Ind.le Nord 1^a Strada, 13 – Tel. 049.8060000 (5 linee)
Fax 049.773749 – www.ard-raccanello.it - E-mail: assistenza@ard-raccanello.it