



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

TECHNICAL SHEET 149

CODE 0.910

ard rep

Water repellent poly-siloxanic transparent colourless protective

GENERAL PROPERTIES

ARD REP is a hydrophobic protective based on polysiloxanes resistant to alkali & atmospheric agents. Its an excellent water repellent treatment for vertical mural surfaces in general (concrete, plaster, bricks, wooden or asbestos cement panels & stone).

ARD REP penetrates deeply into the substrate without altering the water vapour permeability, creating a water repellent barrier. Its ideal for the protection of concrete as in inhibits the penetration of acid gasses (carbon & sulphur dioxide etc.), impeding the carbonation process which causes reinforcement corrosion.

ARD REP inhibits both the progressive crumbling caused by repeated freezing/thawing and the unpleasant white patches deriving from the soluble salts extracted from the walls.

ARD REP is the perfect product for listed buildings or buildings of architectural interest as it does not alter the original aesthetics (colour & gloss) of facades.

INSTRUCTIONS

Substrate preparation:

- Brush accurately removing any filth, unsound parts and efflorescence.
- Ensure the substrate is perfectly dry & apply ARD REP.

Application:

Apply ARD REP as follows:

- Brush: use neat, apply until the substrate is impregnated.
- Air-spray gun: use neat, diameter 1,2–1,4 mm & 2-2,5 kg/cm² pressure. The number of coats depends on the absorption.
- Do not apply ARD REP at ambient or substrate temperature below + 5°C or above + 35°C. Avoid applying under direct sunlight.
- After application, exterior walls must be protected against rain until perfectly dry, usually after 48 hours at 20°C.
- Wash equipment immediately after use with Diluente ARD 0.970.0030 or Diluente ARD 0.976.0040.

- Use adequate masking tape to protect the areas not to be treated.
- Do not apply ARD REP on surfaces with poor absorption.
- The product is flammable. Transport, store & apply in compliance with current Health & Safety Regulations. Dispose of spent material/containers according to the same.

Refer to the PSDS for further information.

TECHNICAL PROPERTIES

SPECIFIC WEIGHT	800 ± 20 g/l	
NATURE OF BINDER	Prepolymer alkyl-siloxanics	
DRYING AT 20 °C	TOUCH DRYING	20 mins
	THROUGH DRYING	24 hrs
GARDNER COLOUR	1	
FLASH POINT	+ 39°C	

YIELD

Coverage varies according to the porosity of the substrate; we suggest testing in order to determine the same.

Some examples follow:

Mineral plaster 1,3 -2	m ² /l
Natural stones 0,7 - 5	m ² /l
Bricks 1,3 - 2,5	m ² /l.

TENDER SPECIFICATION ITEM

WATER REPELLENT POLY-SILOXANIC TRANSPARENT COLOURLESS PROTECTIVE PRODUCT

Application on pretreated surfaces of one or more layers of protective based on poly-siloxanic resins in solution with a hydrophobic effect type ARD REP - min consumption of 0,250 which varies according to absorption.

€/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.

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