



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

TECHNICAL SHEET 140

CODE 0.538

## bio silrest

Silicate based mineral paint for interiors

### GENERAL PROPERTIES

BIO SILREST is a top coat with an optimum covering power devised for the painting of interior surfaces where an excellent water vapour permeability and remarkable wash resistance are required.

BIO SILREST is the ideal solution for the treatment of poorly aired & humid premises such as kitchens, canteens, food industries & populated environments (nurseries, schools, hospitals, gymnasiums, offices, meeting rooms etc).

Furthermore, its mineral nature inhibits mould/fungus growth.

Another remarkable feature is its antistatic power which helps keep the surface cleaner longer.

BIO SILREST is formulated in compliance with the VOB/C DIN 18363 2.4.6. Regulation. It is free of any solvents/hazardous volatile substances guaranteeing a healthy & comfortable living environment. BIO SILREST is perfectly in line with the new approach of Bio-architecture.

### INSTRUCTIONS

#### Substrate preparation:

- The best performance is achieved (adhesion & wash resistance) when applied on dry weathered (at least 1 month) mineral plaster. Application on old sound distemper or transpiring paints is also satisfactory.
- Avoid applying directly on gypsum substrates due to the anomalous reaction said material has on mineral paints.
- Mould: clean/treat the substrate accurately with SPRAY SAN & ARDSAN.

#### Application:

Apply BIO SILREST as follows:

- Bare chalk free surfaces: dilute at 25-30% in water volume & apply coats at an interval of 12 hrs using a brush.
- Bare chalky surfaces: apply a layer of ISOREST 0.076 thinned from 100 to 200% in water volume according to the absorption. Allow at least 8 hrs and apply a layer of BIO SILREST.
- Allow at least 12 hrs & apply a second layer of BIO SILREST.

- If the base is particularly absorbent we suggest thinning BIO SILREST with ISOREST instead of water.
- Surfaces with old lime or distemper paintwork: remove any unsound paintwork & efflorescence. Clean thoroughly & proceed as indicated in "Bare chalky surfaces".
- Roller application: dilute at 20-25% in water volume.
- Wash equipment immediately after use with water.
- Do not apply at ambient/substrate temperature below +8°C - above +35°C or with R.H. above 75%.
- Walls with efflorescence or subject to rising damp must be restored before application with ARDPLAN AS 1.965.0030 or ARDPLAN BS 1.962.0020.
- Protect the areas not to be treated with masking tape.
- Use protective eye wear during application.
- The product has a 24 month stability if stored (frost free premises) in the original packaging at a temperature between + 8°C - + 30°C.
- Use in compliance with the current Health & Safety Regulations. Dispose of spent material/containers according to the same.
- BIO SILREST is compatible with the 16colours tinting system.

Refer to the PSDS for further information.

## TECHNICAL PROPERTIES

SPECIFIC WEIGHT	1540 ± 50 g/l	
NATURE OF BINDER	Mineral	
VISCOSITY AT 20°C	12000 ± 2000 cP	
ASPECT OF FILM	Matt	
DRYING AT 20 °C	TOUCH DRYING	2 hrs
	THROUGH DRYING	24 hrs

## YIELD

A two layer cycle implies, according to the roughness & absorption, a yield of about 3 - 4 m<sup>2</sup>/l.

## TENDER SPECIFICATION ITEM

### SILICATE BASED MINERAL PAINT

Application on treated surfaces of two layers of paint based on potassium silicate in aqueous solution & colouring pigments with remarkable water vapour permeability & good wash/scrub resistance, BIO SILREST with a minimum consumption of 0,33 l/m<sup>2</sup>.

€/m<sup>2</sup>

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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