



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

TECHNICAL SHEET **175**

CODE 0.509.1010

THERMOigloo

Class A+ thermo-insulating anti-condensation anti mould paint

GENERAL PROPERTIES

THERMOigloo is an odourless paint for interiors which lends an improved living comfort and thermal/acoustic insulation thanks to the particular boron siliceous insulating micro-particles.

THERMOigloo forms a barrier on the plaster which reduces the thermal transfer between the ambient & substrate, resulting in a decrease in the thermal dispersion & consequent energy saving. The hot/humid air of interiors condensates with the cold walls painted with traditional emulsion paints creating the conditions for mould growth.

Thermal insulation with THERMOigloo prevents condensation whilst allowing the wall to breathe.

The presence of specific broad-spectrum biocides lend an effective protection against the spreading of fungi & mould on the dry film applied to the wall.

THERMOigloo is suitable for the treatment of particularly humid premises such as kitchens, bathrooms, laundries, indoor swimming pools etc.

The Class A+ classification guarantees the highest standards to reduce the content of volatile substances considered harmful for health/environment.

CLASS OF EMISSION	C	B	A	A+
Formaldehyde	> 120 $\mu\text{g}^*\text{m}^3$	< 120 $\mu\text{g}^*\text{m}^3$	< 60 $\mu\text{g}^*\text{m}^3$	< 10 $\mu\text{g}^*\text{m}^3$
Acetaldehyde	> 400	< 400	< 300	< 200
Toluene	> 600	< 600	< 450	< 300
Tetrachlorethylene	> 500	< 500	< 350	< 250
Xylene	> 400	< 400	< 300	< 200
1,2,4-Triethylbenzene	> 2000	< 2000	< 1500	< 1000
1,4-Dichlorobenzene	> 120	< 120	< 90	< 60
Ethylbenzene	> 1500	< 1500	< 1000	< 750
2-Butoxyethanol	> 2000	< 2000	< 1500	< 1000
Styrene	> 500	< 500	< 350	< 250
Total VOC	> 2000	< 2000	< 1500	< 1000

THERMOigloo complies with the limits set forth in the French Decree N° 321/2011 dated 23.03.2011 & Order of 19.04.2011 (Class A+) based on emission after 28 days.

INSTRUCTIONS

Substrate preparation:

- Bare interior walls: use a soft brush to remove any fine dust and unsound plaster. Level any imperfections (holes, cracks or crazing) with LITOSTUCCO, adding as many times as necessary. Allow 6 hours, sand repair areas & clean thoroughly. The choice of sealer depends on the condition of the substrate, ARDFIX or ISOLEX W are fine in most cases. Apply BIANCOFIX (fixative hiding sealer) on particularly dark surfaces. Ensure the surface is dry & apply THERMOigloo.
- Interior walls with distemper paintwork: clean thoroughly, stucco any imperfections with LITOSTUCCO as indicated above. Sand, seal the stuccowork with ARDFIX. Allow 4 hours & apply THERMOigloo.
- Interior walls with washable latex paintwork: clean thoroughly, stucco any imperfections, sand & dust. Seal the stuccowork with a hand of ARDFIX. Allow 4 hours and apply THERMOigloo.

Application:

Apply THERMOigloo as follows:

- Brush: stir well, dilute at 10-15% in water volume & apply by criss-cross brushing. Allow 6 hours & proceed with the second hand.
- Roller: dilute at 8-12% in water volume and apply to the substrate in a uniform criss-cross fashion.
- NB: the yield must be respected to guarantee the performance.
- THERMOigloo can be tinted with the universal COLORATUTTO colorants
- Store in cool, frost free premises.
- Wash equipment immediately after use with water.
- Do not apply at ambient/substrate temperature below + 5°C or above + 35°C.
- THERMOigloo is compatible with the 16COLOURS & WIZARD tinting systems.
- Use products in compliance with the current Health & Safety Regulations. Do not release the containers into the environment.
- Refer to the PSDS for further details.

TECHNICAL PROPERTIES

SPECIFIC WEIGHT	980 ± 30 g/l	
VISCOSITY AT 20 °C	8.000 ± 1000 cP	
ASPECT OF FILM	Matt	
COLOUR	White	
DRYING AT 20 °C	TOUCH DRY	3 hrs
	THROUGH DRYING	24 hrs

YIELD

The two ply painting cycle implies a yield of approx. 3, 8 m²/l.

**TENDER
SPECIFICATION ITEM**

**CLASS A+ THERMO-INSULATING ANTI-CONDENSATION ANTI
MOULD PAINT**

Two ply application on pretreated surfaces of thermo-insulating paint for interiors based on synthetic copolymers in aqueous dispersion, special micro-particle sealers & additives to protect against fungi & mould. THERMOigloo with a min consumption of 0,26 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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