

TECHNICAL INFORMATION**DECO-AISLANT****DESCRIPTION**

Water based paint for vertical and horizontal surfaces with great features such as thermal isolation and anti condensation providing an important energetic saving over covering areas: industrial warehouse, houses, public buildings, offices, etc.

Paint with a coating protect that provides an excellent protection against a wide range of fungus and algae.

Features:

- Thermal isolation.
- Anti-condensation.
- Excellent adherence, elasticity and durability.
- Weather and sunlight resistant.
- Low water absorption.
- Excellent leveling and brushability.
- Alkalis resistant.
- Stables and sunlight resistant pigments.
- Waterproofing.

TECHNICAL DATA

Nature	Copolymer acrylic.	
Colour	White.	
Gloss	Matt G ₃ 85° : < = 10 GU	UNE-EN ISO 2813
Solids by weight	58 %	UNE-EN ISO 3251
Solids by volume	62 %	UNE 48090
Viscosity	100 – 106 KU (23 ± 2 °C)	UNE 48076
Specific weight	0.80 – 0.90 kg/l (23 ± 2 °C)	UNE-EN ISO 2811-1
pH	8.0 – 10.0 (23 ± 2 °C)	UNE-EN ISO 787-9
Theoretical spreading rate	(0,2-0,6 Kg/m ²) (0,250-0,750 litres/m ²). Take in mind application leaking, surface irregularities, etc.	
Total drying	1 hour.	UNE 48301
Repaint	12 – 24 hours.	
Solvent	Water.	
Reaction to fire	Class M-1	UNE 23727
Reaction to fire	Bs1d0	UNE-EN 13501-1:2007
Wet scrub resistance	Class 1	UNE-EN 13300
Permeability to water vapour	V ₂ (Medium)	UNE-EN ISO 7783-2
Liquid water transmission rate	W ₃ (Low)	UNE-EN 1062-3
Classification	EN 1062-1 G ₃ E ₄ S ₂ V ₂ W ₃ A ₁ C ₀	UNE-EN 1062-1

Pinturas Decolor

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EU limit value for this product (cat. A/c): 40 g/l (2010). Max. content VOC: 5 g/l

UNE 92-202-89	Ceramic tile without trying	Ceramic tile trying
Thermal conductivity (W/m ² .°C)	11,050	8,920
Thermal conductivity (W/m ² .K)	0,040	0,032
Thermal conductivity (Kcal/h-m ² .°C)	9,430	7,710
Thermal conductivity (Kcal/h-m ² .K)	0,034	0,028

These values are for a consumption of 0,6 Kg/m². (0,2-0,6 Kg/m²) (0,250-0,750 litres/m²)

Index SRI according ASTM E1980-11 «Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces».		
Solar reflection (%)	84,8 ± 0,2	ASTM E903-12
Emissivity	0,82 ± 0,03	ASTM C1371-15

Coefficient of convection	SRI	Ts (K)
Low (0-2 m/s)	104,7 ± 0,3	319,3 (46.15 °C)
Mid (2-6 m/s)	105,2 ± 0,3	315,8 (42.65 °C)
High (6-10 m/s)	105,6 ± 0,3	312,7 (39.55 °C)

Ts (K): Surface temperature in degrees Kelvin.

SRI: Solar reflectance index

Painting decreases the thermal conductivity by 20%. With DECO-AISLANT system we obtain energy savings of 20% minimum performance.

APPLICATION

Water based paint indicated for saving the consumption of electric energy, providing an excellent thermal protection, reducing considerably the interior temperature of the protected areas. Avoid the appearing of small fissures or cracks due to the different dilatation rates and sudden temperature of horizontal and vertical surfaces, helping to keep the thermal isolation power.

INSTRUCTIONS FOR USE

Application methods: brush, roller or spray.
Thinner and cleaning utensils: Water.

Painted surfaces must be dry and clean of dust, rust, grease, etc. and primed properly.

🔧 Unpainted surfaces:

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- Cement, concrete, fibrocement: Seal the existing cracks and fissures with IMPERDECO or with a mix of 20% sand and 80% IMPERDECO depending of the size of the fissure. Apply PRIMER FLOORS AQUA as a under coat and to seal the surface. After that, apply DECOKRIL RAPID until get a performance of (0,2-0,6 Kg/m²) (0,250-0,750 litres/m²).
- Galvanized steel, glass fiber, iron: Apply a primer of POLYVALENT AQUA PRIMER or HIGH ADHERENCE PRIMER to enhance the adherence of further coats. After that, apply DECO-AISLANT until obtain a performance of (0,2-0,6 Kg/m²) (0,250-0,750 litres/m²).

 Painted surfaces:

- In case that the old coating were not breathable, must be removed in order to obtain the best performance.
- If the paint is in poor condition, remove completely and proceed as in unpainted surfaces.

In general, we recommend:

-  Apply between 5 °C and 35 °C.
-  It is not recommended to apply in full sun or high temperatures of the surface.
-  Perfectly mix the product before use.
-  In case of contamination by fungus or algae:
 - Wash with a solution of water and bleach to 10%.
 - Rinse with water.
 - Let dry completely before beginning to paint.
 - Use products with protection against FUNGUS.
-  In case of presence of saline efflorescence:
 - Brush and wash with hydrochloric acid diluted to 10% with water.
 - Rinse with water.
 - Let dry completely before beginning to paint.

PRESENTATION

Plastic packaging of: 4 L; 15 L

STORAGE

12 months in closed original container under roof and temperatures between 5 °C and 35 °C and protected from the weather.

ADDITIONAL INFORMATION

The information contained in this document serves as a guide for the user but does not constitute a guarantee. For information about safety and the environment, please refer to the Safety Data Sheet.

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