

PHOTOCAT PAINT



SPECIFICATIONS

Specific weight (at 20°C) (A + B): 1.15 ± 0.05 kg/lit - UNI EN ISO 1475

Dry residue: 30% in weight - UNI EN ISO

Viscosity: 55 at 25°C KU

Humid friction resistance: Classe 1

Water vapour permeability: Sd=<0.015m - DIN EN ISO 7783-2

Permeability to water: W1 (UNI 13859-13984)

Theoretical consumption PER COAT: Concrete 0.120

Prepainted sheet 0.080÷0.120 kg./m²

Wood panels 0.120÷0.150 kg./m²

Painted substrate 0.100÷0.120 kg./m²

Fibre cement 0.120÷0.150 kg./m²

Elongation at break: 200% (UNI EN 12311-2)

(NOTE the values obtained are results of laboratory tests at +20°C and 65% R.H.)

Description	Photocatalytic Nanotechnological Coating. Protective, transparent, anti-pollution, anti-odour, reduces bacteria growth, self-cleaning. Contains suspended nanoparticles of specific pretreated component, and modified colloidal resins in aqueous dispersion.
Main uses	Can be applied on a vast range of porous and non-porous surfaces, such as concrete, fibre cement, bricks, stone material, masonry, prepainted metal structures, treated and untreated wood, painted surfaces located indoors or outdoors. The surfaces must be previously cleaned to remove friable parts or incoherent parts, and they must be restored if deteriorated. Depending on the condition of the surfaces, it may be advisable to apply a suitable insulating base. The product is compliant with the parameters of the European Directive 2004/42/CE (implemented by Law Decree n° 161/2006) which limits VOC emissions into the environment. Roofs: terracotta tiles, flagstones, and all absorbent materials. Walls and Facades: single skin and non-single skin plasters, bricks, stones and absorbent materials, wooden structures. Standard colour: transparent
Application methods	Method of use: brush, roller, conventional sprayer. Recommended dilution: product ready to use without dilution. Recommended layers: one or two depending on substrate absorption.
Characterisation	Evaluation of the percentage conversion of NO and NOX, in 180 minutes with continuous tangential flow according to UNI 11484 - March 2013 Photocatalytic degradation rate: $\mu\text{gm}^{-2} \text{h}^{-1} = 12,000$ as NO Translated into percentage values: NO ≈ 86% NOX ≈ 60% Radiant power incident on the surface: 10 W/m ² in UVA (295-400 nm)
Pot life	Unlimited (single component) Dry to the touch: 25-35 minutes Overapplication: 6-8 hours and unlimited as long as clean Note: The values obtained are results of laboratory tests at +20°C and 65% R.H., completely hardened
Safety instructions	Keep out of reach of children. In case of contact with eyes, rinse immediately with running water and consult a doctor. Use appropriate work clothes, protective gloves and goggles. In case of accident or illness, consult a doctor and show him/her the product label. PRODUCT WITH REACH MARKING AND CLASSIFIED AS NON-HAZARDOUS. Storage: store in a dry place at room temperature. PROTECT FROM FROST
Packages	20 L pails
Warnings	Do not apply the product at temperatures below 5 °C.

All information contained in this technical sheet is based on the best practical experience and laboratory testing. The customer is responsible for verifying that the product is suitable for the intended use. The manufacturer declines all responsibility for results deriving from incorrect applications. This sheet replaces and voids all previous sheets. The data may vary at any time. The manufacturer is not obligated to give prior notice.

