

PhotoSiloxane *activa*

CE

Photocatalytic Waterborne Coating for Outdoor and Indoor Use.

Suitable for the protection of structural concrete

PHOTOSILOXANE activated walls use light energy to destroy airborne pollutants. Thus:

- **ELIMINATE THE POLLUTION AROUND THE FAÇADES AND INTO THE BUILDINGS.**
- **AVOID THE WALLS TO GET DIRTY**
- **PREVENT DEVELOPMENT OF FUNGI, VIRUS AND BACTERIA**
- **ELIMINATE ODORS**
- **CREATE A HEALTHY ENVIRONMENT FOR FAMILIES IN URBAN AREAS**

PHOTOSILOXANE is used for outdoor wall decoration. Colour availability creates a modern and elegant space in a clean air environment. **PHOTOSILOXANE** is suitable for air polluted areas on buildings where people's health is a key issue, and where pollution creates a major maintenance problem:

- Schools & Nurseries
- Hospitals
- Urban Light Colour Buildings
- Public Buildings
- Urban areas in general

-PHOTOCATALYSIS

Photocatalysis is a technology similar to the photovoltaic solar panels (Solar cells). Uses light energy to destroy the pollutants produced by automobiles and industry, affecting the health of people.

- Maintenance is not necessary and once applied the effect is permanent.
- Is a Clean technology
- Not only doesn't mess up, also it cleans contaminated air.
- It is the only environmental technology in which the first beneficiary is the user.
- SAVES COSTS because the walls are kept clean for many years
- DESTROYS DIRT that accumulates on the walls
- Doesn't allow the growth of bacteria viruses and molds

THE RESULTS

Tests carried out in our coatings, in



highlight that they have pollutant removal capacity up to 91% referred to air pollution concentration in a city exceeding legal pollution limits.

Our Coatings are proved as permanent disinfectants, against bacteria and viruses

-HOW TO USE IT

PHOTOSILOXANE is currently applied in two coats by brush, roller or spray, on clean, free from oils and non-stick materials, dry and sound walls, allowing the coating to dry between each coat. It is advised to carry adherence tests on non porous surfaces, surfaces having old coatings applied, and in general, on all surfaces where adherence may be compromised.

PHOTOSILOXANE has European **CE** mark in concrete protection, thanks to its excellent properties as CO2 barrier, improving the structures resistance against carbonation

On absorbent surfaces, the use of **PHOTOSILOXANE PRIMER** reduces the consumption of **PHOTOSILOXANE**, facilitates and accelerates the top layers application, saves money and improves the resulting top layer quality.

Fresh Air & Health



Updated 1/2021

PhotoSiloxane

activa

CE

In case the surfaces are not in perfect conditions, it is advised to apply a first coat of **PHOTOSILOXANE PRIMER**

As an alternative, first layer could be diluted with 10% of water.

IMPORTANT: Coating colour could be modified using EXCLUSIVELY INORGANIC PIGMENTS

PhotoSiloxane: High Performance Photocatalytic Coating for Outdoor and indoor use. CE mark in concrete protection It contains light boosters in the UVA-visible range, based on the EPS Technology, to improve artificial light performance



eptisa

CSIC
Spanish Council of Research



Applus⁺
laboratories

All data given in our technical information and recommendations are based on our experience, technical knowledge and practice, under established job and test conditions Customer must check consumptions and suitability under his particular job conditions, by previously testing it. Activa can provide Technical assessment if required.
We guarantee the quality in case of production defects of our products, excluding further claims. Our responsibility is limited to the value of the goods supplied.
That TDS is valid until next edition is issued

- TECHNICAL DETAILS

Photocatalytic Waterborne Coating for Indoor and Outdoor Use

- **Density: 1.48 Kg / l**
- **Not flammable**
- **Does not contain toxic substances. According to GDC Green Mark (LEED) Criteria 4.4.1. b, c, d, and 4.4.2**
- **Impermeable to liquid water According ISO 1062-3 W3 (<0.1 Kg/m².h^{0.5})**
- **Impermeable to CO2 penetration According to CE Mark UNE EN 1062-6:2003 CO₂ permeability 1,8 g/m².d S_d=136 m (equivalent diffusion air thickness)**
- **I = 1,8 g/m².d**
- **S_d = 136 m**
- **Water vapour permeable According ISO7783-2 V1 (>150g/m².j)**
- **Touch Dry at 25 ° C: 30 to 40 min**
- **interval between layers: about 12 hrs**
- **Yield: around 3-6 m²/l, in two coats, depending on the surface type**
- **Colours. See colour chart**
- **Application temperature: between 5 ° C and 35 ° C**
- **Store in dry and warm areas**



Active Walls .S.L
Daoiz I Velarde 22-26 L1, 08980 Sant Feliu Llob.
comercial @activacolors.com