

Photo Crete

Photocatalytic protection for concrete and mortar surfaces



Product

- **Photo-Crete** activated walls use light energy to destroy air pollutants.
- Eliminates pollution in and around facades.
- Prevents walls and walls from becoming dirty.
- Prevents the growth of fungi and bacteria.
- Eliminates odors in the air.

Photocatalysis

- It is a technology analogous to photovoltaic solar panels.
- It uses light energy to destroy pollutants produced by automobiles and industries, which affect people's health and pollute the environment.
- It does not require maintenance, and its effect is permanent.
- It is a clean technology.
- Not only does it not pollute, but it cleans the polluted air.
- It saves costs since the walls remain clean for many years.
- It destroys dirt and prevents the growth of microorganisms.

Technical characteristics

- Density: 1.64 Kg/l
- Non inflammable
- Permeable to water steam
- Touch dry to 25°C: from 30 to 40 min
- Hands dry, from 6 to 8 hours, depending to temperature and humidity conditions
- Approximated yield: 6 m²/l in two coats
- Colors. See color chart
- Product can be colored only **with inorganic pigments**
- Application temperature: from 5°C and 35°C
- Store it in places protected from frost

Results

- **Essays performed with our paintings at**



shows a 91 % average elimination ability of the pollutants measured, in reference to the contaminated air in a city exceeding the legal pollution limits.

Applications

- For the protection of reinforced concrete structures or any other surface subjected to carbonation processes.
- Use in areas with polluted air and in buildings sensitive to people's health: retaining walls, bridges, viaducts and tunnels, urban structures, facades and prefabricated buildings.

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Application way

Photo-Crete is applied in two coats, by spray, roller or brush, on clean and dry walls, free of grease and loose elements, and without cracks, fissures or cracks, and allowing to dry between one coat and the next. To achieve an adequate protection of the concrete, according to UNE EN 1602-6 2003, the primer must be applied and a minimum film thickness of 40 microns must be ensured.

In case the surface is not in perfect conditions of adherence, and to obtain a correct protection, it is recommended to apply previously a coat of

Photo-Deco primer.

** Photo-Crete: High performance photocatalytic covering for concrete and mortars protection. It contains light boosters in the UVA-visible range, based on the EPS Technology.*



Consumption

6 m²/l in two coats

Conservation

In original closed container in a place protected from frost

⚠ IMPORTANT

All the information provided in our technical information is based on our experience, technical knowledge and practice in certain working and testing conditions. The customer must check consumptions and the adaptation of the products under his particular working conditions, performing his own tests. Active Walls can provide technical advice if required. We guarantee the quality of the products in case of manufacturing defects, excluding subsequent claims. Our warranty is limited to the value of the products purchased. This data sheet is valid until a new version is issued.