

Photocatalysis

It is a natural phenomenon, similar to the chlorophyll photosynthesis, by which a substance, in the presence of sunlight or special UV lamps, is activated by acting as a catalyst in the oxidation process of polluting agents.

The inorganic and organic substances type of nitrogen oxides (NO_x), sulfur oxides (SO_x), Volatile Organic Compounds (VOC), etc., in contact with the surfaces treated with this active principle, are transformed into completely harmless elements with a consequent reduction of odors, viruses, bacteria and molds and with a greater aesthetic maintenance over time.



Several studies and measurements certify

that 1 m^2 of active surface is able to purify 1 m^3 of air in 45 seconds up to 90%, or that an active surface of 1 Km^2 from the atmosphere may remove 32 tons of pollutants per year.

Furthermore, by comparing the photocatalytic activity to the photosynthesis of plants, from processing performed on models such as UFORE (Urban Forest Model - USA), it is estimated that 1000 m^2 of active surface are the equivalent of 100 evergreen trees with a depolluting power 13 times greater than 1000 m^2 of leaves.

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There's something new
in the air...

edilcol
PHOTOCATALYTIC

VOC
FREE



AZIENDA CON SISTEMA
DI GESTIONE QUALITÀ
CERTIFICATO DA DNV GL
= ISO 9001 =



AUTHORIZED DEALER

PF 10

**Cement-Based
Photocatalytic Paint
For Interior And Exterior**

› It purifies the air by smog,
smells, virus and bacteria

› It ensures permanent
self-cleaning
and anti-mold features





AIR CLEANING

- › It reduces air pollutants up to 90 % with positive effect even on PM10 and PM 2,5
- › It removes viruses and bacteria from surfaces up to 99%
- › It eliminates fungus and molds permanently
- › It removes smoke and odors from the environment



SELF-CLEANING

- › Dirt does not stick on the surfaces
- › Colours remain alive over time in a natural way



EASY AND VERSATILE

- › For professional use and for DIY.
- › It is used as a normal paint inside and outside both.
- › It is activated immediately by sunlight and UV lamps both.



SUSTAINABLE

- › It does not contain solvents or formaldehyde
- › It does not contain VOC (Volatile Organic Compounds)
- › It contributes to the reduction of CO₂ emissions



EFFECTIVENESS

- › Guaranteed and certified performance higher than organic and similar products
- › Suitable for homes, public buildings and crowded places.
- › Excellent for industrial and commercial buildings, tunnels and cement structures in general



AFFORDABLE

- › Unbeatable value for money
- › Reduction of energy consumption for air conditioning and filtering systems
- › Reduction of energy consumption thanks to its reflecting properties



COLOURED

It fits perfectly to the different environments in a wide range of design colors

PF 10 PHOTOCATALYTIC ...new air.



Powder paint based on TX Active® technology by Italcementi



Air pollution and health effects

As is known, air pollution is closely connected with the increase of respiratory and cardiovascular diseases. According to the World Health Organization, more than 2 million of deaths every year are due to poor air quality, especially in the urban areas, with constantly growing data.

Live in a healthier environment is therefore necessary and possible today, even thanks to the combination of photocatalysis to construction materials, **and to the incredible properties and ease of use of photocatalytic paint PF 10 by Edilcol with the principle "TX Active®" by Italcementi.**



FOR INTERIOR

Houses, public buildings and crowded places



FOR EXTERIOR

Industrial and commercial buildings, tunnels and cement structures in general