

## Waterborne Photocatalytic Dispersion for the invisible protection of porous surfaces.

A **PHOTOACTIVA S**® activated surface uses the light energy to destroy the air pollutants. Thanks to it:

- ELIMINATES THE AIR POLLUTION
- MAINTAINS the surface of BUILDINGS and MONUMENTS CLEAN. Even glass surfaces.
- ELIMINATES THE POLLUTED AIR AGRESSIONS.
- REDUCES MAINTENANCE COSTS.
- IMPROVES APPEARANCE
- CONTRIBUTES TO PEOPLE'S HEALTH

**PHOTOACTIVA S**® is used on surfaces submitted to polluted environments, mainly in urban or industrial areas where traffic and chemical pollutants are concentrated.

**PHOTOACTIVA S**® contributes to reduce pollution, to keep surfaces clean, and to reduce odours, also limits the growth of moulds and bacteria, once applied on:

- Stone or concrete Facades
- Historical Buildings
- Brick or block façades
- Monuments
- Pedestrian areas
- City centres

### - PHOTOCATALYSIS

Photocatalysis is a technology that works under the same principles than Photovoltaic Panels (Solar cells). It uses light energy, in the range between visible and UVA, to destroy the pollutants produced by car exhausts pipes, industries, kitchens and heating, that affect human health and dirt

- It is MAINTENANCE FREE, and its effect is PERMANENT.
- It is a CLEAN TECHNOLOGY
- It is not only a SURFACE CLEANER, it is an AIR DEPOLLUTER
- SAVES MONEY, as surfaces remain clean during years
- DESTROYS the DIRT and reduces the growth of MOULDS AND BACTERIA
- Is a NATURAL effect, and reproduces the activity of the sun and plants as depollutant.

Clean Air  
in Clean and  
Healthy Cities

Photocatalysis requires light energy to be activated. Natural light, fluorescent, or incandescent bulbs are, in that order, suitable to activate the surfaces



ISO 22197-1 tests done in the CSIC, show a 100 % destruction capacity of the measured pollutants 300 µg NO/m<sup>2</sup>.h using natural light .

### -APPLICATION

**PHOTOACTIVA S**® is currently applied as a mist, by spray gun, at low pressure. Creation of drops, or product accumulation, should be avoided. Surfaces must be clean and dry. A single application of 60-100. /m2 is recommended.

**PHOTOACTIVA S**® doesn't forms a film.

**PHOTOACTIVA S**® is applied on porous surfaces as Natural stone, Bricks, Marble, Ceramics, Concrete, etc... On painted surfaces, **PHOTOACTIVA S**® .may degrade some of the paint pigments in case they are not UV resistant **PHOTOACTIVA S**® can have some whitening effect on coloured surfaces

PHOTOACTIVA S  
PHOTOACTIVA TB  
PHOTOACTIVA GL  
CRISTAL CLEAN

More activity



More transparent  
Better adherence on  
compromised surfaces





## -TECHNICAL DATA

Waterborne photocatalytic dispersion for the reduction of pollutants and protection of surfaces in highly contaminated areas.

- No flammable. Waterborne
- Translucent
- Appearance: low viscosity milky liquid
- Density 1.1 kg/l
- Does not create a film
- Yield: around 10-15 m<sup>2</sup>/lt. once applied by spray gun
- Application temperature: between 5°C and 35°C
- Protect from frost.

***PhotoActiva S. Waterborne dispersion of Photocatalysts containing light boosters based on EPS technology, to be activated in the visible-UVA light range, and improved adherence on porous surfaces.***



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

