

# Photo-Silicate

## PRIMER

## activa

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### Photocatalytic Waterborne Silicate Coating for indoor and outdoor uses

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

- ELIMINATES AIR POLLUTION
- MAINTAINS COLOR ON THE SURFACE
- ELIMINATES POLLUTED AIR AGRESSIONS.
- REDUCES MAINTENANCE COSTS.
- CONTRIBUTE TO THE HEALTH OF PEOPLE
- ELIMINATES ODOURS
- INHIBITES GROWTH OF BACTERIA AND FUNGHI

**PHOTOSILICATE** is used on all kind of mineral surfaces, cement, concrete, lime, and for the restoration of old and weak traditional mineral surfaces, either indoor or outdoor. It can be delivered in a wide number of colours, creating elegant and healthy environments.

**PHOTOSILICATE** does not create a superficial film and is highly breathable to water vapour. It has a very long durability.

**PHOTOSILICATE** is used in areas with high air pollution, and in buildings where people's health is important.

- Restoration of Monuments and historical surfaces
- Façades and inner walls in historical buildings
- Buildings in urban centres
- Concrete structures
- Tunnels and viaducts
- All kind of mineral surfaces requiring high breathability

### - 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.

# Healthy air cleaner surfaces

### -APPLICATION

**PHOTOSILICATE PRIMER** is used diluted with water at a 1: 1 ratio

When used as a PRIMER, it is recommended to be applied by brush or roller to improve the surface penetration. Spray gun may also be used.

When used as a THINNER, to adjust viscosity, **PHOTOSILICATE PRIMER**, once diluted with water, can be added up to 15 % to **PHOTOSILICATE** when applying the first coat, and up to 5 % for the final top coat

**PHOTOSILICATE PRIMER** must be applied on mineral substrates, or on old silicate based coatings. Surfaces must be clean and sound, and must be free from lost particles, dust or efflorescences.



### - TECHNICAL DATA

Primer and thinner for PhotoSilicate1

- No flammable. Waterborne
- High permeability to water vapour
- Touch dry 25°C: between 20 and 40 min
- Yield: up to 20 m2/lt. once diluted 1:1 in water
- Re-coated in 2-4 hrs
- Application temperature range between 5°C and 35°C
- Store in dry and warm areas

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.

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