

# PhotoCryl

## asphalt

# activa

### Photocatalytic treatment for asphaltic pavements and roads.

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

- ELIMINATES THE AIR POLLUTION
- AVOIDS THE ACCUMULATION OF POLLUTANTS ON THE SURFACE
- ELIMINATES THE POLLUTED AIR AGRESSIONS.
- REDUCES MAINTENANCE COSTS IN BUILDINGS AND MONUMENTS
- REDUCES ODORS
- CONTRIBUTES TO PEOPLE'S HEALTH

**PHOTOCRYL**® is used to on asphaltic surfaces submitted to polluted environments, as streets, roads and motorways, mainly in urban or industrial areas where traffic and chemical pollutants are concentrated. **PHOTOCRYL**® contributes to reduce pollution, to keep surfaces clean, and to reduce odours. It also limits the surfaces degradation caused by chemicals in the air. **PHOTOCRYL**® is currently applied on

- Urban streets
- roads and Motorways
- Parking lots
- Asphaltic pedestrian areas

#### - 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.

Photocatalysis requires light energy to be activated.



#### -APPLICATION

**PHOTOCRYL**® is applied on open or semi-open asphaltic surfaces, providing insulation and bonding between the surface and the Photocatalytic pigments.

**PHOTOCRYL**® is applied by spray, at a ratio of 100-200 gr/sqm. It is strongly recommended to do tests before to decide dosage. Surfaces must be clean and dry before application. **PHOTOCRYL**® forms a superficial film that is not intended to resist the on the tires contact points, but in the pores and asphalt cavities

. It is advised to wait some days before to apply the product on newly laid asphalts, to avoid fluid asphalt to run over the film, decreasing its activity. **PHOTOCRYL** does not modify the surface properties: tyres grip, self drainage, sound absorption... Once applied, traffic can be open in 3-4 hrs, depending on weather conditions.

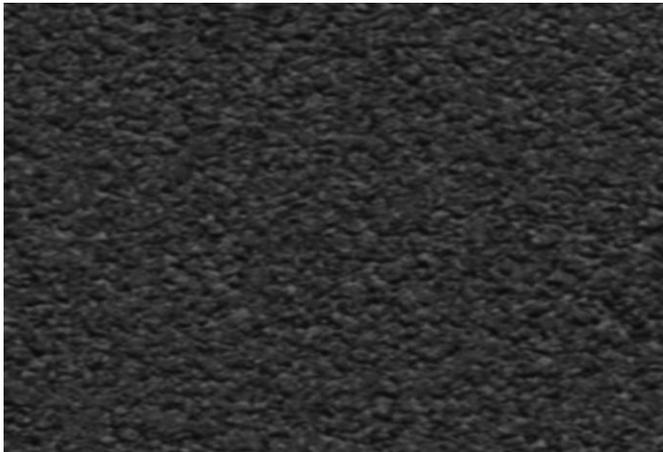
It is a translucent product. Horizontal road marks will not be altered

Do not apply on horizontal surfaces if rain is expected in less than 24 hrs, due to wash off risk.

**destroys pollution  
when it is created**

# PhotoCryl asphalt

## *activa*



PhotoCryl does not change surface appearance

### -TECHNICAL DATA

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

- No flammable. Waterborne milky liquid
- Transparent
- Density  $1.15 \pm 0.3$
- Viscosity  $45 \pm 5$  sp5
- pH  $8.5 \pm .5$
- Touch dry 2 hrs at 25°C
- Allow 3-4 hrs to dry at 25°C before re-open traffic
- Yield: 5-10 m<sup>2</sup>/l, but depending on surface
- Application temperature: between 5°C and 35°C
- Protect from frost.

***PhotoCryl. Waterproofing waterborne dispersion of Photocatalysts containing light boosters to be activated in the visible-UVA light range based on EPS technology, and waterproofing polymers.***

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