

### Photocatalytic Treatment

**Coverlite®** is the new era of the anti-pollution photocatalytic treatments based on titanium dioxide. Its application over the pavement surface allows to reduce, immediately and for a long time, the atmospheric pollution.

#### Main Characteristics

The specific and patented formulation confers high photocatalytic characteristics to the product which allow the abatement of pollutants such as Nitrogen oxides, Sulphur dioxide, Ozone.

**Coverlite®** is a water based emulsion added with titanium dioxide (TiO<sub>2</sub>) with a nano-metric structure. Thanks to the chemical components, the product penetrates into the asphalt, maintaining unaltered its surface characteristics (as skid resistance and draining capability).

#### Use

- All types of asphalt pavements.
- Roads, highways, parking, cycle lanes, footpaths, sidewalks.
- Industrial pavements, storage areas, harbour and airports.

#### Application

**Coverlite®** is a pre-mixed and ready-to-use product; it is applied through a patented equipment endowed with an appropriate spraying system. The easy and quick spraying on the pavement has to be done, preferably but not necessarily, immediately after the pavement laying (hot method). The treatment is completed within the pavement laying phase.

#### Technical data

Product aspect:	Clear white transparent liquid
Colour after laying:	Grey-beige/transparent
Chemical nature:	Water based bituminous emulsion
Fire resistance:	ø% laying < 200 °C
pH:	8
Titanium dioxide crystalline structure	Anatase
Grains dimension:	<15 nm

#### Standards

The photocatalytic efficiency of the product is assessed through laboratory tests in accordance with the UNI 11247 *“Determination of the catalytic degradation of nitrogen oxides in air by photocatalytic inorganic materials.”*

#### Storage and Security

**Coverlite®**, stored in plastic drum perfectly sealed, has to be kept at a temperature between 5°C and 30°C and has to be used within 6 months since production. As for security, please refer to the “security schedule”.