

Photo Sound

Cementitious photocatalytic covering for all kind of roads and asphalt pavements



Product

- **Photo Sound** activated roadways, highways, squares and streets use light energy to destroy air pollutants.
- They reduce the air pollution load in cities.
- They limit the dirt in runoff water.
- They lower the surface temperature of asphalt, as they are gray in color.
- Eliminate odors in the air.
- They reduce the surface growth of fungi and bacteria.
- It is resistant to freeze-thaw cycles and has excellent adhesion to asphalt substrates, giving streets, roads and highways the durability of cement, while maintaining the flexibility of asphalt.
- Maintains and improves the sound-absorbing capacity of substrates.
- Maintains the self-draining properties of roadways.
- Its color is modifiable, which reduces the temperature of the asphalt and its emissions.

Technical characteristics

- Thin dust with less than 0.2 mm
- Water mixture ratio 100/ 35-50
- Mixture life time with 20°C 60 -90 min
- Adherence over concrete to 28 days 2.5 Mpa
- Yield: 1,5- 2 Kg/m2 (spay) 3-3,5 Kg/m2 (paste) depending on the support
- Application temperature: between 5°C and 20 °C
- Store it in dry places
- Packed in 25 Kg bags

Results

- **Essays according ISO 22197-1 performed in the**



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shows average elimination ability with 12 mg NOx/m2 h representing a cleaning ability 300 m3 with urban air per hour, each m2 in the essay conditions

Applications

- Its photocatalytic properties reduce the main pollutants produced by vehicles on the road. Recommended mainly for roads and streets with high traffic density, squares, garages and open parking lots, tunnels, pedestrian lanes and walkways, bicycle paths.

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Application way

Photo Sound is applied on asphalt conglomerate already compacted, and that has a minimum thickness to support the traffic. The asphalt conglomerate must have enough interstitial voids to allow **Photo Sound** to penetrate them.

Photo Sound powder should be mixed with 35-50 % water until a homogeneous mixture is obtained, fluid enough to be applied between the voids of the asphalt mix.

The mixture is applied by spraying or brushing, making it penetrate, and leaving only a layer of 1 or 1.5 mm on the surface of the chipboard, covering the surfaces of the hollows. Important to maintain the draining or sound-absorbing properties of some asphalts, it should be avoided to apply an excess of product that could clog the voids. On non-technical asphalts it can also be applied by casting.

Drying will vary according to atmospheric conditions.

Apply on clean and damp surfaces, at night, or at times when the asphalt is cold.

Avoid an excessively fast drying, it is necessary to make sure that it has humidity in the first 48 hours.

**** Photocatalytic Covering for all kind of asphalt pavements, with light boosters in the UVA-visible range, based on the EPS Technology, and that allows keeping the special characteristics in each asphaltic surface.***



Presentation

25 Kg bag

Colors

Colors chart

Consumption

1.5- 2 Kg/m² (spray)
3-3.5 Kg/m² (cast)
(depending on substrate)

Conservation

In original closed package in a dry place.

⚠ IMPORTANT

All the information provided in our technical information is based on our experience, technical knowledge and practice in certain working and testing conditions. The customer must check consumptions and the adaptation of the products under his particular working conditions, performing his own tests. Active Walls can provide technical advice if required. We guarantee the quality of the products in case of manufacturing defects, excluding subsequent claims. Our warranty is limited to the value of the products purchased. This data sheet is valid until a new version is issued.