

Photocatalytically active coating for glass for self-cleaning, air purification and algae control



Product description

AC10125 is a very fine, alcohol-based dispersion to produce photocatalytically active coatings. Upon radiation with light, the coatings will release oxygen radicals from the ambient air and thus decompose solid and gaseous substrates by oxidation („cold combustion“). AC10125 is active under UV light (sunlight) only.

AC10125 is designed to provide glass and glazed tiles with self-cleaning properties, to protect them against algae and mould as well as to clear the air from pollutants (e.g. NOx). For outdoor use only.

Technical information

Ingredients: TiO₂, H₂O, WO₃, SiO₂, Ethanol
 Appearance: Yellowish transparent liquid
 Active material: approx 1,3% by weight
 Effective light spectrum: up to 400nm
 pH value: approx. 5,5
 Primary particle size: 8 - 20 nm
 Specific density: 0,91 ± 0,05 g/ml

Storage

Keep in a dark place at temperatures from +5°C to +30°C. Shelf life 6 months in originally-sealed container; opened containers have to be used up within 4 weeks. To be applied at ambient temperatures of min. 15 °C.

Due to the ethanol content AC10125 is classified as hazardous (highly flammable)!



Product and/or ingredients are listed at: CAS, EINECS, TSCA, AICS, CEPA, MITI

Package sizes

5 litres in plastic can
 25 litres in plastic can
 200 litres in barrel

Application

AC10125 is designed for exterior coatings of glass as well as for polished tiles. AC10125 is suitable for automated and industrial application processes only.

Surfaces to be coated must be clean, dry and free of grease. Shake can before use. Please consult the dept. for further technical advice.

Recommended application quantities:

Plain surfaces 25 ml/m²
 Textured surfaces up to 50 ml/m²

Drying 1 to 15 minutes, subsequent hardening 15 minutes to 72 hours, depending on ambient temperature (15°C to 200°C) and humidity.

Safety instructions: Please observe the general safety information for handling chemicals and the appropriate Safety Data Sheet which is relevant for this product. Never mix with water or chemical products! Product contains alcohol. Avoid smoking and open fire during application.

