

Photocatalytically active coating (outdoor use) for self-cleaning, algae prevention and air purification



Product description

AC10244 is a very fine, water-based dispersion to produce photocatalytically active and water repellent coatings. Upon radiation with light, the water repellent coating will release oxygen radicals from the ambient air and thus decompose solid and gaseous substrates by oxidation („cold combustion“). AC10244 is active under UV light (sunlight) only.

AC10244 is designed to protect concrete and stone surfaces outdoors against moisture as well as against algae and moss infestation and to make them both self-cleaning and water-repellent.

Technical information

Ingredients: TiO₂, H₂O

Appearance: semi-transparent liquid

Active material: < 10 %

Effective light spectrum: up to 400nm

pH value: 10-11

Primary particle size: 20-40 nm

Specific density: 1,0-1,1 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.

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

AC10244 is designed for various exterior surfaces (e.g. stone, concrete, plaster, wall paints) But not for marble, glass, metal, painted surface and plastic

AC10244 is generally applied with HVLP spraying technique. Surfaces to be coated must be clean, dry and free of grease. Shake can before use.

Recommended application quantities:

Textured surfaces	100 ml/m ²
Absorbent surfaces	150-200 ml/m ²

Material usage depends on surface. Test before apply the coating on small uncritical place. Can be applied without usage of primers.

Drying 30 to 60 minutes, subsequent hardening 72 hours, dependent on ambient temperature (15°C to 150°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 other chemical products!

