

TITANIUM[®] IN

Photocatalytic Acrylic Paint for Interiors



Intended use:

Water - based acrylic paint designed for painting inside walls and ceiling surfaces. It renders water - resistant, mat, snow - white, permeable for vapours and gases (so called "respiration" of walls) perfect coating.

It can be applied on different building materials such as mineral and polymer plasters (for example acrylic plasters), concrete, bricks, gypsum, wood and wood-grain materials (having been properly stained), wallpapers including ingrain wallpaper providing smooth and flexible coatings. It renders an aesthetic and durable appearance for indoor surfaces. Lightly stained surface painted with Photocatalytic Acrylic Paint for Interiors can be washed with a moist cloth or sponge.

The paint is based upon acrylic water dispersion with addition of pigments, mineral fillers and purifying agents, it contains catalyst obtained by the use of nanotechnology.

The paint is available in a basic white colour, but it can be dyed on demand with high quality pigments in a number of pastel colours.

Photocatalytic properties:

The product is efficient in removing urban and industrial pollutions like: tobacco smoke, sulphur dioxide, carbon monoxide, nitrogen oxides, aldehyde vapours, alcohol vapours (methanol, ethanol, and isopropanol), aromatic and aliphatic hydrocarbons (benzene, toluene, ethyl benzene, xylene, kerosene, petrol). The bigger surface is coated with photocatalytic paint the faster elimination of pollutants from the surrounding area.

As a result of photocatalytic processes occurring in the presence of light and oxygen (included in the air), airborne pollution particles while coming into contact with the surface painted with the photocatalytic products, oxidize and change into harmless to health and to the natural environment compounds (mainly carbon dioxide and water). In the presence of the nanocatalyst (contained in the paint), stains, for example nicotine stains, are removed from stained walls. This happens due to the influence of direct, reflected, or scattered sun light, as well as artificial light.

In case of insufficient natural light, in order to maximally utilise the paint's properties it is advised to install additional lighting. Precipitation positively affects self-cleaning effect, and even moisture contained in the air (for example - in rooms - in case of indoor paints) is sufficient to progress the process.

Preparation of the surface and application of the product:

The paint is ready to use and only in case when it has become dense it can be added up to 5% of running water. Whiting, lime and dry glue colour must not be added. Before painting, the surface must be carefully cleaned, loose colour flakes must be removed and the surface must be degreased.

Old layers of glue and lime-wash colours must be thoroughly removed. The fresh cement - lime plaster can be painted no sooner than 4 weeks after plastering. Smooth surfaces should be matted with abrasive paper. Minor cracks and other defects must be refilled with FILLER or BIEL-PUTZ fillers, the major ones with gypsum. Incoherent or absorptive base must be grounded with acrylic preparation SIL-GRUNT; it will significantly increase the durability of the coating.

- Available colours: white, others on demand, according to NCS or RAL cards,
- Application: with roller, brush or, after proper dilution, with spraying.
- Temperature of use and storage: +5÷35°C,
- Drying time: about 2 hours,
- Recommended quantity of layers: 1-2, in case of colour layers: 2-3,
- Output: 9-11 m²/l,
- Density according to PN-82/C-81551: about 1.5 g / cm³,
- pH value: 8÷9
- Washing of equipment and dilution of the product - running water,
- Hygienic certificate of PZH,
- Guarantee: 12 months from the date of production
- Packaging: 2.3 litres, 10 litres.