OD 1973 ROKU
PIGMENT
POLSKA FABRYKA FARB

TITANIUM FA

FACADE PAINT
PHOTOCATALYTIC SILICATE/
THERMOREFLECTIVE/ VIRUCIDAL

DESTINY:

Water-soluble silicate paint designed for painting building elements both inside and outside the premises. It can be used on various building materials, such as: mineral and long-term polymer plasters (e.g. acrylic), concrete, brick walls. It creates a uniform, well-covering, waterproof, matt, snow-white coating (white version) or an appropriate color. TITANIUM FA is a technologically advanced paint with photocatalytic, thermal insulation and thermoreflective properties. Thanks to the use of a composite of microspheres, the paint has a very high ability to reflect thermal radiation - it retains heat in winter and limits heating of rooms in summer. Two functions have been combined in one paint, photocatalytic and thermoreflective (thermal insulation). The paint protects the external walls of buildings against moisture absorption. After drying, it provides a durable, hydrophobic layer with very good adhesion to typical mineral substrates. It creates a layer characterized by very high vapour permeability, ensuring the free penetration of water vapour and the removal of moisture through the surface on which it was applied.

It is resistant to washing and atmospheric factors. It contains acrylic and potassium water glass binder and modifying additives, pigments and mineral fillers, as well as agents preventing the development of fungi and mold on the surface of the facade.

It is produced in a basic white colour, but on request it can be tinted with high-quality pigments in a range of pastel colours.

PHOTOCATALYTIC AND THERMOREFLECTIVE PROPERTIES:

The paint contains a composite with photocatalytic and thermoreflective (thermal insulation) properties, which is a combination of relatively large silicate microspheres with a photoactive catalyst.
The product is effective in removing urban and industrial gaseous pollutants such as: tobacco smoke, sulfur dioxide, carbon monoxide (CO), nitrogen oxides, aldehyde vapors, alcohols (methanol, ethanol, isopropanol), aromatic and aliphatic hydrocarbons (benzene, toluene, ethylbenzene, xylene, kerosene, gasoline). As a result of the photocatalytic process, which occurs in the presence of light and oxygen (contained in the air), atmospheric pollutants, when in contact with painted surfaces, undergo oxidation, transforming into substances that are harmless to health and the natural environment. The larger the surface covered with photocatalytic paint, the faster their removal from the environment occurs. Discolorations on wall surfaces, e.g. nicotine stains, are also cleaned in the presence of the catalyst (contained in the paint). The phenomenon occurs using direct, reflected, and diffused light, both sunlight and artificial. In the case of insufficient natural lighting, it is advisable to install additional lighting to maximize the effect of the paint. The moisture in the air (e.g. in rooms) is sufficient for the process to take place.

process.

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The composite present in the paint gives the paint the ability to block more than 90% of the heat energy from the incident infrared (heat, IR) radiation on its surface, reducing the penetration coefficient heat and helps to save heat in the winter. Studies have confirmed that the paint effectively insulates walls of buildings covered with it reflect heat radiation. It owes this extraordinary property microspheres, thanks to which the paint reacts intelligently to the changing temperature inside and outside outside the room. Microspheres are small spherical particles, inside which there is inert gas. This provides excellent reflection of radiation. Thanks to this, the room maintains warm on cold days, and does not heat up on hot days.

SURFACE PREPARATION AND APPLICATION:

It is a ready-to-use paint. Under no circumstances should chalk, lime or dry paints be added. adhesives or other materials. Painting surfaces covered with lime paint is not recommended. Surfaces must be cleaned, dried, loose parts removed and degreased before painting. Adhesive paints and lime must be removed. It is recommended to prime unpainted or very old surfaces silicate primer GRUNDER SK by Pigment. Fresh cement-lime plaster can be paint no earlier than 4 weeks after application. Painting is allowed after three days of plastering thinned mineral used in building insulation systems when the temperature on these days remains above +15°C. Fill in any gaps and cracks with cement mortar. Before starting painting mix the paint thoroughly. The paint can be applied once or twice, depending on absorbency and structure of the substrate. The next layer can be applied after the previous one has completely dried (after at least 12 hours), using the "cross" method and maintaining one direction for each layer Technological breaks and joints should be planned in advance, for example: in corners and building bends, under downpipes, at the junction of colours etc., so that they are located in invisible places. Wash tools with water immediately after finishing work.

SPRAY PAINTING:

DEVICE	PRESSURE, BAR	NOZZLE	FILTER, MESH	RECOMMENDED DILUTION
GRACO ULTRA MAX II 795	200-230	0,015''-0,019''	60	DO 5 %
TITAN 450; GRACO GX20; WAGNER P20	-	-	-	-

ADDITIONAL INFORMATION:

The best results can be achieved by using the spray method. With traditional painting methods (roller, brush), with improper selection of tool, painting technique and unfavorable conditions (temperature and relative air humidity) streaks may appear in some cases colors. Individual batches of the product may differ slightly in shade after coloring. for some colors available in the computer coloring system. In order to avoid noticeable differences, it is necessary to create a surface that constitutes a separate architectural whole, one working cycle, products from the same production batch. In case of necessity to use products from different production batches, it is recommended to mix them together to unify the shade. Any corrections should be made using the "wet on wet" method. Before starting to paint, Please check the colour consistency of all packages with your order.

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CZYSTOŚĆ I ZDROWIE

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COMMENTS:

To avoid differences in color shades, paint from the same date should be applied to one surface.
production. Painting surfaces that differ in texture and technical parameters may
cause the effect of different shades of a given paint color. Cover surrounding objects, windows and equipment before
starting work, especially glass, ceramics, natural stone, metal and clinker. Alkaline product.
Protective clothing, gloves and glasses should be worn during work. Due to the variety of technologies and
raw materials used in products by other manufacturers, the manufacturer is not responsible for the consequences
mixing its product with other products. In the case of coloring white paint with pigments of other
manufacturers, always test on a smaller quantity. The paint should be stored in
original and tightly closed packaging.

ÿ available colors:	white, selected colours on request according to NCS or RAL cards
ÿ coating:	mineral matt
ÿ paint:	with a roller, brush or after appropriate spray dilution
ÿ use and store at temperature:	5÷25°C
ÿ density according to PN-82/C-81551:	approx. 1.5 g/cm3
ÿ applying another layer, 20°C, relative air humidity 50%:	after 12 hours
ÿ Brookfield viscosity 20±2°C, according to PN-ISO 2555:	10000÷15000 mPa·s
ÿ pH value according to PN-C-04963:	11-12
ÿ solids content PN-EN ISO 3251:	53.0÷55.0 % weight.
ÿ drying time at 23±2 °C, PN-C-81519:	12 hrs
ÿ recommended wet coating thickness PN-EN ISO 2808:	90-100 ÿm
ÿ largest grain size (granulation), PN-EN 13300:	fine up to 100 ÿm
ÿ recommended number of layers:	2, for some colors: 3
ÿ performance:	8-10 m²/L
ÿ equipment washing and dilution:	water
ÿ Certificate:	Hygienic
ÿ Norma:	PN-C-81913:1998
ÿ warranty:	12 months from the production date (located on the cover)
ÿ packaging:	5 L; 10 L

When a new version of the card appears, the previous card becomes invalid.
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