

TIKKURILA OPTIVA WHITE



DESCRIPTION

The newest generation, exceptionally deep white, waterborne, stain resistant, latex paint acrylic-composite specially designed for tinting to the off-white shades. Used in the paint modern encapsulation technology increases the barrier properties of painted surface. For decorative painting of walls and ceilings inside residential, office and public use buildings and in schools and health care premises (hospitals, schools, kinder-gardens, hospitals, clinics, offices, operating rooms, treatment rooms, laboratories, dialysis stations, etc.), workhouses and production plants and also food industry without direct food contact. Gives beautiful, matt, uniform finish. Possibility of tinting to 19 unique off-white shades, according to Tikkurila Optiva White colour card.

RECOMMENDED USES

Painting of gypsum boards, gypsum, cement-lime plasters, decorative painting of concrete substrates as well as for renovation of old coatings. Product may be used on wood and metal surfaces before application surface should be primed with suitable primer (Tikkurila Everal Primer, Tikkurila Everal Corrostop, Tikkurila Rostex Super Akva).

PRODUCT FEATURES

ILLUMINATING DEEP WHITE

- Optically enlarges the space
- Provides a beautiful matt finish
- Possibility of tinting to unique off-white shades
- Durability of painted surface and colour in time

ENCAPSULATION TECHNOLOGY

- Increased resistance to stains and dirt such as: Maggi, beer, oil, fruit juices**
- The highest wet scrub resistance - class 1 (EN 13300)
- Increased resistance to dirt and dust
- Very good hiding power, reducing the number of paint layers
- Reduced salt effect (reduces the effect of salt migration in old buildings, churches, museums, etc.)

HEALTH AND ENVIRONMENTALLY FRIENDLY

- Ecological formula and the highest quality confirmed by the international EU Ecolabel certificate
- The paint does not contain volatile organic compounds (zero % VOC***)
- Product recommended by the Polish Allergy Association****
- Ingredients used in the production of paint in accordance with the Regulation of the European Parliament REACH, which aims to ensure a high level of protection of health and the environment
- The paint meets the VOC requirements for paints in the BREEAM International multi-criteria certification system****
- Class A+ due to the low emission of the coating according to French standards
- The product meets the requirements of LEED v4 "EQ Credit: Low Emitting Materials" both in terms of volatile organic compounds content and in terms of emissions from the coating according to methods accepted for investments carried out outside the USA
- The paint meets the requirements laid down by the German Institute of Building Technology (DIBt) and the German Committee for the Health Evaluation of Construction Products (AgBB), and also meets the requirements of the draft Belgian Royal Decree establishing emission limits for

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

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indoor building materials

- The paint does not contain formaldehyde added in the production process

EASY APPLICATION

- Non-dripping formula

- Very good adhesion to the substrate

- Easy paint spreading

- Optimal drying time

** It is recommended to remove stains no later than after 15 minutes.

***Marked according to PN-EN ISO 11890:2.

****The recommendation of the Polish Society of Allergology concerns the product after complete drying of the painted surface and well ventilated room.

*****Read the details in the Manufacturer's Declaration for the BREEAM International system.

According to standards: PN-EN ISO 11890-2:2007, Method 1





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TECHNICAL DATA	
Base paints	A BASE
Colour Shades	Color cards: Tikkurila Optiva White White, with possibility of tinting to 19 unique off-white colours.
Gloss	Full matt. According to norm: PN-EN 13300 gloss [4].
Coverage	8-12 m ² /l per one coat. The coverage depends a lot on factors such as absorbability, substrate texture, application method and colour. Exact consumption of the paint can be determined only in practise by test painting on the target surface. In case of overcoating white surfaces or in shades of white, one coat of paint can be sufficient (provided that the existing coating is devoid of spots, discolorations, etc.).
Can sizes	0.9 l, 2.7 l, 9 l
Thinner	Water. If necessary thin up to 5% with water.
Application method	Brush, roller, airless spray (nozzle: 415/417, pressure: 120-140 bar), air spray (nozzle: 1,8-2,0, pressure: 2-3 bar).
Drying time	At temperature +23°C, relative air humidity 50% the paint needs approx. 1,5 hours to dry. The interval between application of subsequent coats must be at least 4 hours. In lower temperatures and higher humidity the time between the application of next coat might be longer.
Density (kg/l)	Approx. 1,35
Wet scrub resistance	The highest – 1st class (according to norm: PN-EN 13300:2002P). (PN-EN ISO 11998:2007P). In case of dirt on the surface for cleaning might be used water with delicate cleaning detergent.
Light resistance	Durability test for irradiation of the surface with UVC germicidal lamps – the look of the surface and the shade didn't change after 8 hrs. of irradiation.
VOC	Cat. A/a. The product contains a minimal amount of volatile organic compounds below 1,5 g/l (below the applicable standard). Since 2010 permissible VOC content is less than 30 g/l.

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Storage

Protect from frost and direct sunlight. Store and transport in tightly closed containers at temperatures between +5°C and +25°C. Close can carefully for next use. Store in a non-leaking, tightly sealed package. The product must be transported and stored in containers, which protect it against influence of atmospheric conditions. The storage and transport temperature must be between +5°C and +25°C. Protect the paint against frost. Close tightly the packaging immediately after use. Tightly closed packaging should be stored in room with temperature not lower than +5°C and not higher than +25°C, protect from frost and direct sunlight.

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APPLICATION INSTRUCTIONS

Application conditions

All surfaces intended for coating must be dry, air temperature may not be lower than +5°C and not higher than +25°C, relative air humidity below 80%.

Surface preparation

Unpainted surfaces:

New plaster and concrete substrates can be painted after 4 weeks of seasoning. Clean these surfaces from dust and dirt, smooth out irregularities and losses with putty. In case when unevenness of the surface is considerable, the wall should be even with leveling mortar and afterwards apply on the whole surface smooth putty. In case of small unevenness you may apply smooth putty at once. The use of above mentioned mortars and putty should be done according to data sheets of these products. Machine plaster with visible glossy sinter surface should be sanded and clean from dust. Then apply one coat of Tikkurila Optiva Primer.

Previously painted surfaces:

Wash the surface before coating and remove grease and dirt and loose and flaking fragments of old coat. Sand glossy surfaces and smooth out irregularities and losses with putty. Paint with gloss grade: satin, semi-matt, semi-gloss and gloss should be sanded on the whole surface before final dusting. For sanding use sanding paper with grain 150 - 200. Prime the whole of substrate with Tikkurila Optiva Primer. The priming can be omitted only if the existing coating is perfectly preserved (the producer is not responsible for the incorrect assessment of the actual substrate).

Surfaces painted with glue or lime paint:

Remove thoroughly the lime or glue paint. Clean the surfaces from dust and dirt, smooth out irregularities and losses with putty. Then apply one coat of Tikkurila Optiva Primer. In case of loose substrate prime with Tikkurila Suprabilit.

Notice: It is recommended to check if the used putty is strong and stable surface – if after delicate hand wipe the putty is falling or leave the dust on hand then it means that the surface is loose and it has to be primed with Tikkurila Tikkurila Suprabilit.

Top coating

Before application thin sufficient amount of paint from one production batch to avoid possible colour difference. Before painting stir the paint thoroughly. Apply 2 coats of Tikkurila Optiva White. The painting tape should be removed immediately after painting, before the paint will dry. It is recommended to use ANZA painting tools. Notice: Full resistance properties to wet scrub resistance, according to PN-EN 13300, coating achieves after 28 days from the end of painting.

NOTICE: In this technical data sheet, it is impossible to describe all aspects of the use of the product. In cases that are not described above, please contact the Technology Advisor. The list available on <http://www.tikkurila.pl/Doradcy-Technologiczni>. We will gladly provide you with detailed information related to a particular object.

Cleaning of tools

Clean tools with water immediately after use. Remove as much paint as possible from painting tools before cleaning. Before washing tools should be thoroughly wiped in order to remove as much paint. Clean tools with water immediately after the completion of the work.

Environmental protection and waste disposal

Do not pour liquid waste into drains. Liquid waste should be destroyed according to the local regulations for hazardous waste. Destroy liquid waste according to the local regulations for hazardous waste.

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