



TIKKURILA

OPTIVA WHITE

DESCRIPTION

The newest generation, with an exceptionally deep white, waterborne, latex white paint acrylic-composite specially composed for coloring to the off-white colors. Paint was worked out with use of modern encapsulation technology which increase the barrier properties of painted surface. It is intended 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 contact with food*. This ensures beautiful, matte, uniform finish. Possibility of tinting to 19 unique off-white colours, according to colour card: Tikkurila Optiva White.

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

ENCAPSULATION TECHNOLOGY

1. Excellent hiding power, limiting the need for multiple painting of the surface
2. Increased durability of the paint surface to stains and dirt such as: maggi spice, beer, oil, fruit juice**
3. Increased durability of the paint surface to dirt and dust
4. Decreased migration of salts effect (lower migration of salts in old buildings, churches, museums, etc.)

OPTIMAL AND DURABLE EFFECT

1. Extremely deep shade of white, illuminate the room, visually enlarging it
2. The use of modern polymer technology guarantees the beautiful matte finish.
3. The highest wet scrub durability – 1st class (PN-EN 13300:2002P)
4. Durability of colour and surface in long period of time
5. The homogeneous and easy to obtain a coating structure
6. Innovative tinting system „Avatint”
7. The end result of uniform gloss grade

FOR HEALTH AND ENVIRONMENT

1. Product doesn't contain volatile organic compound: zero % VOC***
2. Eco-friendly recipe and the highest quality certified Ecolabel.
3. Recommendation from Polish Allergy Society (PTA)****.
4. Raw materials used in paint production according to European parliament decree REACH, which aim is to assure high level of health and environment protection.
5. Paint fulfill the VOC requirement in BREAM International certificate system*****
6. A+ class on account of low emission from the coat according to French norms
7. Product fulfill the requirement of LEED v4 „EQ Credit: Low Emitting Materials” both in range of content of volatile organic compound as well as in range of emission from the surface according to method accepted for investments realized outside USA.

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.

OPTIVA WHITE

8.Paint fulfill the requirement established by German Institute Building Technique (DIBt) and German Committee for health appraise of building materials (AgBB), and also fulfill requirement found in project of Belgian royal decree establish the emission limits for buildings materials for interior use.

9.We don't add formaldehyde in production process.

EASY APPLICATION

- 1.Non-dripping formula.
- 2.Very good adhesion to the surface.
- 3.Easy spread of paint.
- 4.Optimal drying time.

** it is recommended to remove the stains not later than 15 minutes after getting the dirt on the paint surface.

*** according to norm: PN-EN ISO 11890-2:2007, Method 1

**** recommendation of Polish Allergy Society (PTA) concerns product after the painted surface is fully dry and the room has been thoroughly ventilated.

***** acquaint Yourself with details in Producer Declaration concerning BREEAM International system.





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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	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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