

# Tikkurila Optiva White

## WHITE LATEX PAINT FOR WALLS AND CEILINGS

### 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), 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.**

### BENEFITS AND CHARACTERISTICS



#### ENCAPSULATION TECHNOLOGY

1. **Excellent hiding power, limiting the need for multiple painting of the surface**
1. Increased durability of the paint surface to stains and dirt such as: mayonnaise, liquid soup seasoning, chocolate sauce, butter, beer, oil, fruit juices\*
2. Increased durability of the paint surface to dirt and dust
3. 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. 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 contains colatile organic compound: zero VOC\*\*
2. Eco-friendly recipe and the highest quality certified Ecolabel.
3. Recommendation from Polish Allergy Society (PTA), product is safe for people particularly sensitive and with susceptibility to allergy.
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 BREEM 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

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according to method accepted for investments realized outside USA.

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

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

### QUALITY STANDARDS AND ECOLOGY

Ecology is a goal which drives Tikkurila brand. Paint Pure White represent the highest attention to environment and our health. They fulfill rigorous ecological norms.



Polish Allergy Society (PTA) recommendation – Tikkurila Optiva White is recommended by Polish Allergy Society (PTA). Base on detailed analysis by independent commission of experts confirmed that product is safe for people particularly sensitive and with susceptibility to allergy. After painting and ventilating of the painted room product used according to application method does not have allergic action.

VOC – product contains minimal amount of volatile organic compounds which is below 1,5 g/l VOC 20-times lover than required norm; Category A/a.

### TECHNICAL DATA

<b>Colours</b>	White, possibility of tinting to 19 unique off-white colours, according to colour card: Tikkurila Optiva White.
<b>Packaging</b>	0,9l; 2,7l; 9l
<b>Gloss grade</b>	Matt [4] acc. PN-EN 13300:2002P. Matt finish of the surface.
<b>Example of use</b>	Painting of gypsum boards, gypsum, cement-lime plasters, 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

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	Corrostop, Tikkurila Everal Metal Primer).
<b>Binder</b>	Acrylic dispersion.
<b>Solids content</b>	Approx.. 55 % weight
<b>Density</b>	Approx.. 1,35 g/cm <sup>3</sup>
<b>Coverage</b>	Up to 12 m <sup>2</sup> /l per one coat. The coverage depends to a large degree on such factors as absorbability, substrate texture, application method and colour. Exact consumption can be determined only in practice by making a film of a trial on target painted surface. In case of overcoating the surface of white or in shades of white, just one coat of paint (provided that the existing coating is devoid of spots, discolorations, etc.).
<b>Drying time</b>	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.
<b>Resistant to wet scrubbing</b>	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.
<b>Resistance to radiation</b>	Durability test for irradiation of the surface with UVC germicide lamps – the look of the surface and the shade didn't change after 8 hrs. of irradiation.

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### APPLICATION INSTRUCTION

#### 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. Gypsum boards, cardboards and putty may be painted after they are fully dry. 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.

##### Surfaces painted with glue or lime paint:

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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 impregnate 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 impregnant.

<b>Application method</b>	Brush, roller, hydrodynamic spray (nozzle: 415/417, pressure: 120-140 bar), pneumatic spray (nozzle: 1,8-2,0, pressure: 2-3 bar).
<b>Thinner</b>	If necessary thin up to 5% with water.
<b>Application conditions</b>	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%.
<b>Application</b>	Before application thin sufficient amount of paint from one production batch to avoid possible colour difference. Before painting stir the paint thoroughly. Depending on substrate porosity 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.  <b>NOTICE:</b> 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. We will gladly provide you with detailed information related to a particular object.
<b>Tools cleaning</b>	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.

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### PRODUCT SAFETY

<b>Environmental</b>	Do not discharge liquid rests into sewers. Empty containers and packaging containing residues of paints pass to the point for the collection of this waste. Detailed information on the possibility of collecting waste from your local Municipal Office.
<b>Work health and safety and fire protection measures</b>	Contains: 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction. Keep the paint out of reach of children. After application of paint in closed rooms ventilate until disappearance of smell and after that time the rooms are suitable for use. After work and before breaks wash hands thoroughly. If ventilation during spray application is insufficient it is recommended to use full face respirator or respiratory protective equipment, equipped with absorbing dust filter P2 (II b). When painting wear suitable clothing and gloves.

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Product is not classified as dangerous. The Material Safety Data Sheet is available on Customer's request.

### **Storage and transport**

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.

### **VOC**

Cat. A/a. Acceptable content VOC since 2010r. - 30 g/l. Product contain below: 1,5 g/l VOC - 30 g/l.

### **Shelf life**

2 years from production date, in factory closed packaging.

„This information is not intended to be exhaustive or complete. This information is based on laboratory tests and practical experience are transferred in accordance with our best knowledge. Product quality is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As a manufacturer we can't control the conditions under which the product is used or a variety of factors that affect the use and application of the product. We do not take responsibility for damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the information given without prior notice. ”