



TIKKURILA

## OPTIVA NATURE MATT (5)

<b>DESCRIPTION</b>	The newest generation, waterborne, latex paint dedicated for tinting. Contains plants ingredients. Designed for painting walls and ceilings inside residential, office and public spaces. It creates beautiful, matt, wash-resistant finish.
<b>RECOMMENDED USES</b>	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 small wood and metal surfaces, before application surface should be primed with suitable primer (Tikkurila Everal Akva Primer, Tikkurila Rostex Super Akva).
<b>PRODUCT FEATURES</b>	<p><b>CONTAINS PLANT INGREDIENTS</b></p> <ol style="list-style-type: none"> <li>Content is 30% bio-based as a fraction of total organic carbon, measured in accordance with ASTM D6866-18* and therefore 7% of the total content of product.</li> <li>This optimal percentage of bio-content for interior paints allows to keep high level painting properties and surface durability.</li> </ol> <p><b>EXTREME DURABILITY</b></p> <ol style="list-style-type: none"> <li>A homogeneous and easy to paint</li> <li>The final effect with uniform gloss</li> <li>Durability of colour in long period of time.</li> <li>Innovative tinting system Avatint</li> </ol> <p><b>WASH RESISTANT</b></p> <ol style="list-style-type: none"> <li>Highest wet scrub resistance - class 1 (EN 13300)</li> </ol> <p><b>FRIENDLY FOR HEALTH AND ENVIRONMENT</b></p> <ol style="list-style-type: none"> <li>Highest quality confirmed with EU Ecolabel certificate.</li> <li>Recommendation from Polish Society of Allergology (PTA)**</li> <li>Raw materials used in paint production according to European parliament decree REACH, which aim is to assure high level of health and environment protection.</li> <li>Paint fulfills the VOC requirement in BREEAM International System 2016 for New Construction for exemplary level ***.</li> <li>A+ class on account of low emission from the coat according to French norms.</li> <li>Product fulfill the requirement of LEED v4/LEED v4.1 for INTERIOR DESIGN AND CONSTRUCTION „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.</li> <li>Paint fulfills the emission requirements established by German Institute Building Technique (DIBt) and German Committee for health appraise of building materials (AgBB 2018), and also fulfill requirement found in Belgian royal decree establish the emission limits for buildings materials for interior use (2014).</li> <li>We don't add formaldehyde in production process.</li> <li>Partly recycled packaging (minimum 64%)</li> </ol> <p><b>EASY APPLICATION</b></p> <ol style="list-style-type: none"> <li>Non-dripping formula.</li> <li>Very good adhesion to the surface.</li> </ol>

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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3. Easy spread of paint.
4. Optimal drying time.

\*International standard method for measuring biobased carbon content %.

\*\*The recommendation of the Polish Society of Allergology applies to fully dried surface and well ventilated room.

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



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TECHNICAL DATA	
<b>Base paints</b>	A BASE, C BASE
<b>Colour Shades</b>	<p><b>Color cards:</b> Symphony Color System, Feel the Color 2020, Deco Grey colour card, Pro Grey. Colours from colour cards Tikkurila Symphony, Tikkurila Deco Grey, NCS, RAL. Pallet of shades for over 13.000 colours.</p>
<b>Gloss</b>	Matt. According to norm: PN-EN 13300 gloss [5].
<b>Coverage</b>	8-16 m <sup>2</sup> /l. Actual coverage depends on such factors as absorption and surface texture, application method and colour. Exact consumption of the paint can be determined only in practise by test painting on the target surface.
<b>Can sizes</b>	<p>A BASE: 0.9 l, 2.7 l, 9 l C BASE: 0.9 l, 2.7 l, 9 l</p>
<b>Thinner</b>	Water. If necessary thin up to 5% with water.
<b>Application method</b>	Brush, roller, spray (nozzle: 415/418, pressure: 150-180 bar).
<b>Drying time</b>	At temperature +23°C, relative air humidity 50% the paint needs approx. 0,5 hours to dry. The interval between application of subsequent coats must be at least 2 hours. In lower temperatures and higher humidity the time between the application of the next coat might be longer.
<b>Density (kg/l)</b>	Base A – approx. 1,29, Base C – approx. 1,12 (depend on colour).
<b>Weight solids (%)</b>	42-56
<b>VOC</b>	<p>Cat. A/a. acceptable content VOC since 2010r. - 30 g/l. Product contains 3 g/l VOC. Cat. A/a.</p>
<b>Storage</b>	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. The product should be transported and stored in containers protecting against weather in temperature between +5°C to +25°C.

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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. 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 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 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. Depending on substrate porosity apply 2 coats of Tikkurila Optiva Nature Matt [5] with brush, roller or spray. For colours of particularly weak hiding power (marked within the tinting system) it may be necessary to apply additional coats. In case of applying colours marked in tinting system as weakly hiding (LH) and intensive colours from C base, it is recommended to use priming paint Tikkurila Optiva Primer tinted to a colour close to the colour of finishing paint. 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 cleaning, 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.

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### Environmental protection and waste disposal

Do not pour liquid waste into drains. Empty cans as well as cans with liquid waste should be taken to a disposal according to the local regulations. For more information please contact local authority. Minimise paint wastage by estimating how much paint you will need. Reuse of paint can effectively minimise the products' life cycle environmental impact. Recover unused paint for re-use.

### Health and Safety

Keep out of reach of children. Wear protective gloves. Safety data sheet available on request. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Contains 1,2-benzisothiazol-3(2H)-one (BIT) and 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) (C(M)IT/MIT (3:1)). May produce an allergic reaction. This product contains a biocidal product for the preservation of the product during storage. If the ventilation during spray application is not enough use semi-mask or full face mask for airways protection with absorbing filter which absorb dust P2 (II b).

After application the room must be ventilated till all paint odour disappears, after that the room is ready to use.

Before cleaning of tools, wipe them off in order to remove as much paint as possible.

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