

TIKKURILA

OPTIVA 5 MATT

MATT LATEX PAINT FOR WALLS AND CEILINGS/ TINTABLE

DESCRIPTION

The newest generation, matt, waterborne, stain resistant, latex acrylic-composite paint for tinting. 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.

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 small wood and metal surfaces, before application surface should be primed with suitable primer (Tikkurila Everal Primer, Tikkurila Rostex Super Akva).

PRODUCT FEATURES

EXTREME DURABILITY
- The highest wet scrub resistance - class 1 (EN 13300)
- Homogeneous and easy to obtain final surface
- Colour durability in time
- Beautiful matt finish
- Innovative "Avatint" tinting system

ENCAPSULATION TECHNOLOGY
- Increased durability of the painted surface to stains and dirt such as: mayonnaise, Maggi spice, chocolate sauce, butter, berries, oil **
- Very good hiding power
- Decreased salt effect (lower migration of salts in old buildings, churches, museums, etc.)

HEALTH AND ENVIRONMENT
- Ecological formula and highest quality confirmed with International EU Ecolabel certificate
- Product doesn’t contain volatile organic compounds (zero % VOC***)
- Recommendation from Polish Allergy Association (PTA)****
- Raw materials used in paint production according to European parliament decree REACH, which aim is to assure high level of health and environment protection
- Paint fulfil the VOC requirement in BREAM International certificate system*****.
- A+ class on account of low emission from the coat according to French standard
- Doesn't contain formaldehyde added during production process

EASY APPLICATION
- Non-dripping formula
- Very good adhesion to the surface
- Easy paint spreading
- Optimal drying time

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

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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*** according to norm: PN-EN ISO 11890:2.
**** 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, C BASE
Colour Shades	**Color cards:** Feel the Color 2020, Deco Grey colour card, Symphony Color System, Pro Grey, Deco Grey Opaques, Color Now 2022, Color Now 2023, Tikkurila X Marie Olsson Nylander, Color Now 2025, Color Now 2026, Color Now 2027 Colours from colour cards Tikkurila Symphony, Tikkurila Deco Grey, NCS, RAL. Pallet of shades for over 13.000 colours.
Gloss	Matt. According to norm: PN-EN 13300 gloss [5].
Coverage	8-16 m²/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.
Can sizes	A BASE: 0.45 l, 0.9 l, 2.7 l, 9 l, 18 l C BASE: 0.45 l, 0.9 l, 2.7 l, 9 l
Thinner	Water. If necessary thin up to 5% with water.
Application method	Brush, roller, spray (nozzle: 415/418, pressure: 150-180 bar).
Drying time	At temperature +23°C, relative air humidity 50% the paint needs approx. 2 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 the next coat might be longer.
Density (kg/l)	Base A – approx. 1,32, Base C – approx. 1,2 (depend on colour).
Wet scrub resistance	Highest – 1st class (according to norm: PN-EN 13300:2002). (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 germicide lamps – the look of the surface and the shade didn't change after 8 hours of irradiation.
Weight solids (%)	49-52
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.
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. 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 then +25OC, 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 puttyat 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 perfetly 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

To avoid possible color difference tint paint from same production batch. Before painting stir the paint thoroughly. Depending on substrate porosity apply 2 coats of Tikkurila Optiva 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. Notice: paint achieves full wet scrub resistance property (according to EN 1300) after 28 days after 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. We will gladly provide you with detailed information related to a particular object.

Colour tester (0,45l): It helps to make test painting with Tikkurila Optiva Matt [5] on wall or ceiling to check the chosen colour. Product is not recommended to make correction painting. For test painting it is recommended to use the same painting tool as for final painting. The amount of colours is limited for can size 0,45L. There might be also small differences in shades for the same colours between 0,45L can size and bigger can sizes.

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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

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

Contains 1,2-benzisothiazol-3(2H)-one (BIT). May produce an allergic reaction. This product contains a biocidal product for the preservation of the product during storage. Contains: 1,2-benzisothiazol-3(2H)-one (BIT). If ventilation during spray-application is inadequate, use respirators with combination filter AP, gas/dust filter (EN405:2001). After application of product in closed rooms ventilate until disappearance of smell and after that time the rooms are suitable for use. Keep the product out of reach of children. Recommendation of Polish Allergy Society concerns product after the painted surface is fully dry and the room has been thoroughly ventilated.

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