TIKKURILA

FINNGARD SILICONE HYDRO

DESCRIPTION

Waterborne, silicone facade paint. For use on traditional lime-cement and cement plasters, mineral plasters thin-film polymer, acrylic and concrete surfaces. Can be used for renovation of dispersion and mineral (silicate) surfaces.

RECOMMENDED USES

Especially recommended for painting of facades for renovation facade painting in places with high air pollution, for example: city centers, industrial areas.

PRODUCT FEATURES

- Resistant to dirt caused by the air pollution.
- Durable, maintains an elegant appearance and protective properties for many years.
- The ability to work quickly thanks to the short drying time and the ability to quick application of subsequent layers.
- Easy to maintain due to the possibility of repeated washing.

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TECHNICAL DATA

Base paints	LAP BASE, LC BASE
Colour Shades	Base LAP and LC. The colors from the Tikkurila Facade 760 colour card and selected colors from the NCS and RAL. It is recommended to perform the appropriate color sample on the area. 1-2 m2. When choosing colors for facades, especially those exposed to intense sunlight, which can significantly heat up the surface recommend the use of color with a higher reflectance. We recommend the use of color whose reflectivity is greater than 20%. Light reflectance values are given in the Tikkurila Facade 760 colour card.
Gloss	Full matt.
Coverage	6-9 m2/l per one coat, depending on the absorbency and structure of the substrate, application method and painting tool used. Attempt to determine the performance for a given substrate. Make test painting in order to determine the coverage of the substrate.
Can sizes	LAP BASE: 2.7 l, 9 l LC BASE: 2.7 l, 9 l
Application method	Roller, spray or brush.
Drying time (23°C and 50% relative air humidity)	In temp. +23 ±2°C, and relative air humidity 50 ±5%, the surface is dry after up to 3 hours. Apply next coat after min. 12 hours. The drying times and recoating depends on film thickness, temperature, relative humidity during painting.
Density (kg/l)	Approx. 1,2kg/l acc. EN ISO 2811-1:2012P
Water vapour resistance (EN ISO 7783)	V1 EN ISO 7783-2:2001P
Water permeability (EN 1062-3)	W2 EN 1062-3:2008P
Permeability to CO2 (EN 1062-6)	C0 EN 1062-6:2003P
Fire class	B s1 d0 acc. PN-EN 13501-1
Volume solids (%)	42

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Average wall thickness	E1 =<50, wg PN-EN 1062
Grain size	S1 drobne, wg PN-EN ISO 1524:2013:06E
VOC	Cat. A/c. Admissible content of VOC since 2010 – 40 g/l. The product includes less than 40 g/ l of VOC.
Storage	Protect from frost. Store and transport in tightly closed containers at temperatures between +5°C and +25°C. 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

Work at air and substrate temp. not lower than +5°C and not higher than +25°C. Avoid direct sunlight, relative humidity> 80%, rain and frost. Protect the paint coating from rain for min. 48 hours - the optimum temperature and humidity conditions (temperature +20°C, relative humidity below 55%). This interval under conditions of elevated humidity and lower temperatures of air and ground may be extended.

Surface preparation

The substrate must be carrying, dry and clean. Humidity of painted substrates should not exceed 4%. Products can be applied min. 16 hours after priming with Tikkurila Finngard Uni Primer. The product is suitable for use in commercial form, and before use requires careful mixing, if necessary thin the paint max. up to 5%. Apply two coats in min. 12 hours intervals. In order to avoid streaking and discoloration apply the paint in continuously way. Technological breaks schedule at the edges of the walls. Provide adequate amount of paint from one production batch. The paint from different batches should be mixed before use. Do not apply on lime coatings and distemper paint.
Raw surfaces:
The surfaces of new cement-lime, cement and concrete seasoned min. 4 weeks. Remove loose parts of the ground, dirt, greasy stains and salt efflorescence. Remove algae, lichens and fungi. Wash the facade with water at high pressure. Unevenness and cracks equalize with mortar with composition similar to the original. Prime the surface with Tikkurila Finngard Uni Primer.
Previously painted surfaces:
Remove loose and loose material substrate, peeling paint, dirt, greasy stains and salt efflorescence. Wash the facade with water at high pressure. Permanently remove algae, lichens and fungi. Remove the chalky substrate (eg. by blasting). Unevenness and cracks equalize with mortar with composition similar to the original.Prime the surface with Tikkurila Finngard Uni Primer. Before the renovation of old coatings should be performed test application that will assess the adhesion of the new paint to the painted surface, eg. by cross-cut and allow for evaluation of the appearance and color of the coating. A positive result determines the use of the product.

Priming

Surface shuld be primed by Finngard Uni Primer.

Top coating

Apply system: primer + facade paint by Tikkurila brand. Do not apply on horizontal surfaces exposed to direct contact with weather conditions: rain, snow. The manufacturer is not responsible for poor quality coating in case when above instructions are disregarded. It is recommended to use ANZA painting tools.

Cleaning of tools

Clean tools with water immediately after use. Remove as much paint as possible from painting tools before cleaning.

Environmental and waste disposal

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.

HEALTH AND SAFETY LABELLING according to Regulation (EC) No. 1272/2008

Harmful to aquatic life with long lasting effects. Contains 1,2-benzisothiazol-3(2H)-one (BIT), 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)), 2-methyl-2H-isothiazol-3-one (MIT) and 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT). May produce an allergic reaction. Avoid release to the environment. Wear protective gloves. This paint contains a biocidal product for the preservation of the dry film. Contains 4,5-dichloro-2-octyl-2H-isothiazol-
3-one (DCOIT) and 3-iodo-2-propynyl butylcarbamate (IPBC). This product contains a biocidal product for the
preservation of the product during storage. Contains 1,2-benzisothiazol-3(2H)-one (BIT), 2-methyl-2H-isothiazol-

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