



TIKKURILA

YKI AITOKIVI

NATURAL STONE COATING FOR SOCLES / TINTABLE

DESCRIPTION

Water-borne stone coating. Maximum grain size approx. 1.5 mm.

RECOMMENDED USES

Residential, commercial, industrial and storage buildings and others.

PRODUCT FEATURES

For coating of concrete structures, concrete and construction block surfaces and construction board surfaces rendered with a cement-rich mortar; socle and wall surfaces.



YKI AITOKIVI

TECHNICAL DATA

Base paints	KPA BASE, KPC BASE
Colour Shades	<p>Color cards: Yki Stone coatings colour card, Socles colour card. Light limestone (KPA), Grey granite (KPC).</p> <p>The colours of the Yki Aitokivi Real Stone colour card can be tinted from KPA and KPC base paints.</p>
Gloss	Matt.
Coverage	2.5-3.5 kg/m ² when applied once with a trowel and 3.5-4.5 kg/m ² when applied twice or sprayed. Coverage is affected by the roughness and porosity of the surface.
Can sizes	<p>KPA BASE: 14 kg KPC BASE: 14 kg</p>
Application method	Trowel spreading by hand, spraying with a plaster pump, minimum nozzle size 7 mm, or with a funnel sprayer. The coating is finished by pulling a steel trowel gently alongside the surface.
Drying time	Touch-dry the following day.
Density (kg/l)	approx. 1.5-1.7 kg/l
Water vapour resistance (EN ISO 7783)	$s_{D,H_2O} < 0,2 \text{ m}$
Water permeability (EN 1062-3)	$w_{24} < 0,2 \text{ kgm}^{-2}\text{h}^{-0,5}$
Adhesive strength (EN 1542)	$> 0.7 \text{ N/mm}^2$ (on concrete)
Adhesive strength (EN 1015-12)	$\geq 0,3 \text{ Mpa}$
Weather resistance	Good, also in marine and industrial atmosphere. Lets the interior humidity through as vapour.
Volume solids (%)	75

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.

YKI AITOKIVI

Storage

Protect from frost. Temperature of the product or can may not exceed +35 °C. Not to be stored in sunlight even under a cover. A tinted coating or a coating in a poorly closed or incomplete can does not sustain long-term storage.

YKI AITOKIVI

APPLICATION INSTRUCTIONS

Application conditions

The surface to be treated must be dry, the ambient temperature at least +5 °C and the relative humidity of air below 80%. Do not paint under strong sunlight.

Surface preparation

The substrate has to be sufficiently solid, dry and hard before the finishing treatment.

Unpainted surfaces:

Clean the unpainted surfaces of any dirt, dust and salt. Surfaces with mold, moss etc. are cleaned with Tikkurila Homeenpoisto in accordance with the instructions. Smooth, glassy concrete surfaces must always be treated mechanically to create an appropriate surface profile and remove any laitance. Level block surfaces and uneven concrete surfaces with Yki Värilaasti according to the instructions in the product data sheet.

Previously painted surface:

Surfaces are cleaned by removing any dirt, dust or salt. Surfaces with mold, moss etc. are cleaned with Tikkurila Homeenpoisto in accordance with the instructions. Select the removal method according to the strength of the substrate and paint type (e.g. wire brushing, pressure washing with hot water or wet sand-blasting).

Render the surfaces with Yki Värilaasti according to instructions, as necessary.

Priming

Priming of socle: It is recommended to prime the substrate with Tikkurila Silicone Primer, e.g. to reduce the efflorescence caused by salts. Prime the substrate with Yki Socle Paint in a color matching the stone coating. If the socle is leveled with tinted Yki Värilaasti, no priming is required. The color of the substrate affects the final shade of the surface. Priming of wall surface: Prime the wall with either Yki Socle Paint or with a solution of Tikkurila Primer Gel and Kivisil Façade Paint. The priming paint is always tinted to the same color as the stone coating.

Stir Yki Real Stone thoroughly before use. Thin with water max. 1 %, if necessary.

Application by steel trowel:

Apply by steel trowel a smooth coat of approx. 2 mm at a time to an area of approx. 1-2 m². Smooth the coating by sloping the trowel lightly over the surface. Check that the stones are spread abundantly and closely. Adjust limits of pauses and borders of various cans to an unobtrusive spot.

Application by steel trowel and grinding:

On large uniform wall surfaces a jointless surface is easiest to make by applying the product twice. Apply by steel trowel a smooth coat to an area of approx. 1-2 m². Smooth the coating by sloping the trowel lightly over the surface. After the first coat has dried, apply the second coat of Yki Aitokivi thinly. Grind the surface immediately (max. after 15 min.) by pressing lightly with Tikkurila plastic float. If the float does not move lightly, there is too much of coating. Remove the excess coating with a steel trowel.

Application by spraying e.g. with a plaster pump or a funnel sprayer:

Apply by spraying with a low pressure from approx. 1 m distance in a circular motion upright with the surface. Smooth the coating by sloping the trowel lightly over the surface. Spray the second layer over the dried coating sparsely. Uniform surfaces are sprayed without interruption.

YKI AITOKIVI

Coating

Stir Yki Aitokivi thoroughly before use. If necessary, thin with water up to 1%. Spreading with a steel trowel: Apply by steel trowel a smooth coat of approximately 2 mm at a time to an area of approximately 1-2 m². Smooth the coating by sloping and sweeping the trowel lightly and gently over the surface. Check that the stones are spread abundantly and closely and to the whole area. Arrange the work so that the transition between areas coated at different times and using different cans is as inconspicuous as possible. Application by steel trowel and grinding: On large uniform wall surfaces, a jointless surface is easiest to make by applying the product twice. Apply by steel trowel a smooth coat to an area of approx. 1-2 m² at a time. Smooth the coating by sloping the trowel lightly and gently over the surface. After the first coat has dried, apply the second coat of Yki Aitokivi thinly. Smooth down the surface immediately (after max. 15 minutes) with a Tikkurila plastic float by applying light pressure. If the float does not move lightly, there is too much coating. Remove the excess coating with a steel trowel by running it along the surface. Application by spraying with a plaster pump or funnel sprayer: Spray the coating with low pressure, perpendicular to the surface, in a circular motion, approximately 1 m from the surface. Smooth the coating by sloping the steel trowel lightly and gently over the surface. Spray a gauze-like, scattered second coat on top of the dried coating. Apply to an uninterrupted surface without interruptions.

Note

NOTE! Stir Yki Aitokivi thoroughly before use. The exact color of natural stone may vary slightly depending on the batch of quarried rock. If it is necessary to use different production batches, treat the area between the old and new batch with a 1:1 mix of the old and new ones. Arrange the work so that the transition between the paint batches is as inconspicuous as possible. Protect any windows before priming and coating. Remove any splashes immediately from the windows. Yki Aitokivi is not suitable for coating the horizontal surfaces of cold retaining walls or other similar horizontal surfaces.

Cleaning of tools

Clean tools immediately after use with water. Tikkurila Pensselipesu Tool Cleaner is recommended to remove slightly hardened paint.

Maintenance instructions

Dirty surfaces can be carefully washed with a pressure washer without any detergent no earlier than one month after painting. The washing may leave permanent marks on the surface, so the area to be washed should be designed inconspicuously following the lines of the structure. It is recommended to remove any loose dirt dry with a soft brush, avoiding abrasion.

For removing algae and mold, use Tikkurila Homeenpoisto and rinse thoroughly according to instructions. NOTE! Surfaces must always be retreated after mold removal.

Maintenance treatment

Yki Aitokivi is suitable for the maintenance treatment of Yki Aitokivi, and Yki Socle Paint is suitable for repainting. See Pretreatment, Priming and Coating.

Environmental protection and waste disposal

Avoid spillage into drains, water systems and soil. Destroy liquid waste according to the local regulations for hazardous waste. Recycle empty, dry cans or dispose them of in accordance with local regulations.


Health and Safety

Harmful to aquatic life with long lasting effects. Avoid release to the environment. Wear protective gloves. 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)) and 2-octyl-2H-isothiazol-3-one (OIT). May produce an allergic reaction. This product contains a biocidal product for the preservation of the product during storage. Contains: 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)).

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YKI AITOKIVI

EN 15824:2009

	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 Vantaa	
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TIK-0678-5001	
EN 15824:2009	
External render based on organic binders.	
Reaction to fire	C-s1,d0
Adhesion strength by pull off test	≥ 0,3 MPa
Release of dangerous substances	NPD
Water permeability	W ₂
Permeability to water vapour	V ₂

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