



*Information on the level of emission of volatile organic compounds in the indoor air provoking a risk of inhalation toxicity. This is calculated on a scale with values going from A+ (very low emissions) to C (high emissions).

IKOS

Datasheet Code VIE433810

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Name	IKOS
Description	Decorative finish based on lime putty.
Main Features	<p>IKOS can be applied all over the interior wall surfaces like: traditional plaster finish, lime rendering, lime cement mortar. IKOS can be applied also on exterior surfaces. The product is a decorative wall coating with which it is possible to achieve a smooth polished finish or to create a spotted marble effect similar to the traditional Encausto coating or Stucco Veneziano.</p> <p>It is possible to attain surfaces with artistic and antique chromatic effects in beautiful tones. IKOS is ideal to give a refined decorative finish and is particularly useful in the restoration and renovation of historic buildings.</p>
Tinting System	IKOS can be tinted with our Tinting System.
Classification (UNI 8681)	E. 2/4.C.0.A.2.SA Water soluble, single component, physically drying, matt, lime based filler for base coats and finishes.
VOC Classification (Directive 2004/42/EC)	Matt paints for interior walls and ceilings. EU limit value for IKOS (cat. A/a): 30 g/L (2010). IKOS contains max.30 g/L of VOC.
Surface treatment of the substrate	<p>All mineral based substrata must be perfectly clean and free from traces of old paints. Any repair work must be carry out only with lime-based mortar or lime cement mortar.</p> <p>New mineral surfaces: New substrata, sound, clean and perfectly dry, do not require a surface preparation. Wet the surface with clear water before application.</p> <p>Old and degraded mineral surfaces: a) Clean perfectly the surface, removing any trace of old paints and/or plasters, dirt, grease, etc; brush or sand. For surfaces with bad irregularities or where various repair works have been carried out, it is advisable to level the entire surface with a thin mineral render coat RESTAURA FINISH 05 or RESTAURA FINISH 1.</p>
Application	<p>Smooth trowelled effect:</p> <ol style="list-style-type: none">1. On a perfectly smooth, well prepared surface, apply the first coat of IKOS with a stainless steel trowel evenly covering the entire surface and allow to dry for about 12 hours. If necessary lightly sandpaper away any imperfections.2. Apply 2 or 3 coats of IKOS using small uneven stokes of the trowel to form the characteristic irregular patches of colour. Different effects can be attained by using different size trowels.3. Once the decoration has been completed and before the final drying, rub down the entire surface with the clean trowel to highlight the polished effect.4. A few days after the application, when thoroughly dry, if desired, it is possible to give an extra final polish and protection by applying a coat of our wax NATURWAX. <p>Spotted marble effect:</p> <ol style="list-style-type: none">1. Apply a layer of RESTAURA FINISH 05 or RESTAURA FINISH 1 (o ADESAN CPV 22) with a stainless steel trowel and level the surface with a sponge trowel to obtain a uniform surface.2. Allow to dry at least 24 hours and proceed with the application of IKOS in the desired colour, according to point 2, 3 and 4 described above.
Practical advices	<p>Store the tin tightly sealed and protected from freeze. Do not apply on the same facing different lot numbers nor continuations of lot.</p> <ul style="list-style-type: none">• Apply on mineral, homogeneous and absorbent substrates.• At the moment of application the substrate should be sufficiently dry. Do not apply over surfaces with rising damp.• Do not apply under direct sunshine, with high winds and hot temperatures.• Complete each single facing without getting a dry edge to the product.• For large surfaces, it will be advisable to plan the joint marks (i.e. at floor levels, down-waterspouts or where technical joints already exist).• New plasters must be well seasoned and new repair works must be properly cured.• Clean tools with water after use.• IKOS is a natural product and may therefore contain clots of not hydrated or not enough cooked lime. <p>Environmental and surface conditions:</p>



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Ambient Temperature : min 5°C / max 35;
 Ambient Relative Humidity: < 75%
 Surface Temperature: min. 5°C / max 35;



Safety precautions

- The product is strongly alkaline. Protect eyes during application. In case of contact wash with plenty of water and consult the doctor.
- Safety information for users is included in the related Safety Data Sheet.
- Empty containers, or with traces of dried product film, must be disposed of according to local regulations.

Tender Item

Application of lime putty IKOS Viero, on sound, clean, seasoned substrata, free from old paints. The application will be made with a first skim layer of IKOS, followed by a trowelled polish finish. Application of the product with a consumption rate of about 1 kg/m² at the cost of €. _____ per m², including materials and labour and excluding scaffoldings and surface dressing.

Characteristics and other technical information	Method	Main data at 20°C and 60% Relative Humidity
Coat finish and aspect		-
Density g/ml	UNI 8910	1,420 ÷ 1,500
Viscosity Brookfield cps		52000 ÷ 60000 Paste
Spreading rate per coat (for a recommended dry film thickness of 1,0 mm) m ² /Kg		About 1.0
Recommended dry film thickness per coat mm		about. 1,0
Flash point °C	UNI 8909	Not flammable
Shelf life (in cool and dry place)	UNI 10154	At least 12 months
Water vapor permeability: S _D (dry film thickness 1,0 mm)	ISO EN 7783-2	0,085 m
Water vapor flow rate WDD (dry film thickness 1,0 mm)	ISO EN 7783-2	> 150 g/mq in 24 h
Hard dry hrs		24 hrs
Dry to recoat hrs		After 12 ÷ 24 hrs
Exteriors / Interiors		Yes \ Yes
Colours		White and Colours of relative catalogue
Binder		Lime
Tool cleaner		Water



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Trowel application
Volume %

Ready to use

All the technical data herein contained are fruit of our best experience and have indicative value and do not constitute guarantee of result. All the information and data reported herein are subject to variation at any time according to the latest development in the production technology. The application of the product is carried out beyond our control and it is therefore under the exclusive responsibility of the client. The correct use of the products implies the compliance of the GENERAL prescriptions of use and in particular those indicated on this data sheet, particularly concerning the suitability and preparation of the substrates. The technical service of MATERIS PAINTS Italia S.p.A. is at the user disposal for the supply of any integrative information required.
THIS DATA SHEET ANNULS AND SUBSTITUTES ANY PREVIOUS VERSION.

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