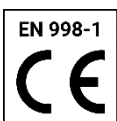




ARENINO **VK2**

Breathable, through coloured, water-repellent mineral topcoat render



Vimark
Strada Spartafino 2
12016 Peveragno (CN) Italy
Ph. +39 0171 383800 | Fax +39 0171 339395
info@vimark.com | Vimark.com



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DESCRIPTION

ARENINO VK2 is a breathable, through coloured mineral decorating water-repellent topcoat render, for external and internal use. The product allows to protect, smooth and decorate multi coat render/plaster systems, maintaining good breathability of walls. Applied in one or more coats, it can level out from 2 to 8 mm roughness on surfaces. It has a good resistance to weathering and ultra-violet rays.

This product is designed for hand application and mechanical projection by diesel and electric machines as well. It is available in 24 different colours and can be finished sponged or floated. For its characteristics and colouring it is particularly suitable for work on old historical and artistic buildings or for green buildings.

COMPOSITION

ARENINO VK2 is a premixed product made up of special white binders, lime, selected and appropriately gauged calcareous aggregates, highly efficient silicone water-repellent additive, inorganic pigments and specific additives that improve the quality of the product in terms of workability, breathability and adhesion to substrates.

SUBSTRATE PREPARATION / PRE-TREATMENT

ARENINO VK2 can be applied on all conventional mineral surfaces: lime-based renders/plasters, premixed renders/plasters, cement-sand renders/plasters, restoration renders/plasters, concrete, plasterboard, panels and painted surfaces as well.

SUBSTRATE PREPARATION

The substrates to be rendered must be sound, clean, solid, well adhered, dust free and free of brittle parts, bacterial proliferation, saline efflorescence, oils, grease, wax, residues of previous work, etc. If necessary, clean the substrate by sandblasting or pressure washing. Before applying **ARENINO VK2**, make sure that substrates are regularly absorbent, coplanar, solid, and that they are not subject to movement or shrinkage. It is essential to wet the surfaces with clean water if the product is applied during hot weather. However, the substrate's degree of absorption must always be assessed and adjusted with water or specific primer where necessary.

MIXING AND APPLICATION

Use an electric mixer and add the contents of a 25 kg bag of **ARENINO VK2** with approx. 6.5-7 litres of clean water until a homogeneous, lump-free mixture has been obtained. Leave the mixture to rest for about 2-3 minutes, then stir again before use. The mixed product can be used for about 2 hours. Do not add water or stir the mixture again to use it beyond this period.

The through colour and special design features allow for fast application and shorter programme periods, reducing the associated building site costs. **ARENINO VK2** topcoat render can achieve a range of different textured finishes in order to meet the demands of designer, building owner or plasterer applicator.

The application on buildings situated in highly exposed locations or where there is wind driven rain or located near the coast we advise the application of **VIMASIL ACQUA** to increase the water repellent property, when the topcoat is dry.

SPONGE, FLOAT OR TROWEL FINISHES

Apply using horizontal and vertical strokes with a large trowel, until the required finish has been obtained. After having applied all base coats of the product, the final coat can be applied in a thin and constant layer, which should be finished with a sponge trowel or a wooden or plastic trowel.

APPLICATION ON HETEROGENEOUS SUBSTRATES

Apply using horizontal and vertical strokes with a large trowel, covering the entire surface with a constant thickness. Insert within the plaster layer a fiberglass alkali-resistant reinforcement mesh **ARMANET 4x4** making sure to overlap the strips by at least 10 cm. When the setting phase is completed, apply the final coat in thin and constant strokes, and finish with a sponge trowel in order to obtain a sponged appearance.

APPLICATION ON POROUS AND ABSORBENT SUBSTRATES

In order to limit and standardize the absorption of extremely porous and absorbent surfaces, old substrates previously treated or that have absorption differences, apply first **PRIMER ACRILICO**, diluted with clean water over the entire surface to be coated at least 12 hours before applying **ARENINO VK2**. Apply the coating and adding into the first coat of the product **VIMARLATEX 883** diluted with clean water at a ratio of 1:5 v / v.

APPLICATION ON SMOOTH, LOW SUCTION SUBSTRATES

Smooth, low suction substrates, compact concrete surfaces, solid and sound painted surfaces must be previously treated with a layer of **MONOGRIP** key-coat to improve the adhesion of the topcoat. The topcoat render application should be done not before the next day applying the key-coat. Apply the coating and adding into the first coat of the product **VIMARLATEX 883** diluted with clean water at a ratio of 1:5 v / v.

TOOL CLEANING

Clean all equipment and tools with water immediately after use. The hardened material can only be removed by physical scraping.



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YIELD / CONSUMPTION

1.25 kg per m² per mm of thickness.
10 m² @ 2.0 mm/25 kg bag.

Note: These data take no account of wastage and will vary according to the substrate conditions, thickness applied and method of application.

COLOR

White and 24 different colours (Colours book: MINERAL.colours 1.0).
Other colours are available subject to minimum quantity.

PACKAGING

25 kg bags on disposable pallets of 1575 kg (63 bags) protected by plastic stretch wrap.

EXPIRATION / CONSERVATION

12 months from the date of production.
Keep the product in its original packaging, intact and protected from moisture and frost.

WARNINGS:

Do not apply in temperatures less than +8°C or more than +30°C, in a strong wind, rain or under direct sunlight. Temperatures below +8°C with high percentage of humidity can cause superficial carbonation. In high temperatures, it is recommended to evenly wet the substrates with clean water before applying product. Do not apply to surfaces that are frozen, dusty, inconsistent or unstable. Product thickness should be from 1 to 2 mm per layer. Do not apply to gypsum-based substrates, fibre cement or expanded mineral and organic panels. The colour may vary, depending on the temperature and humidity in the environment. The coloured product should be applied to homogeneous surfaces. Always use the same amount of water to avoid differences in colour. On extended surfaces provide adequate clearance of drains or joints, or create appropriate technical cuts. When applying avoid prolonged intervals of more than 15 minutes until wall completion. Protect the applied product from frost, rain and rapid drying for the first 24 hours. Restriction on weather condition during the application and curing must be respected.

PRODUCT DATA

Appearance	Powder	
Colour	White or coloured	
Dry bulk density	~ 1300 kg/m ³	EN 1015-10
Maximum aggregate size	≤ 1 mm	

APPLICATION DATA

Water content of mix	26-28%
Mixing ratio	1 bag + 6,5-7,0 l of water
Minimum application temperature	+ 8°C
Maximum application temperature	+ 30°C
Working time	≥ 120' minutes

TECHNICAL DATA

Bulk density of the fresh mortar	~1750 kg/m ³	EN 1015-6
Bulk density of the hardened mortar	~ 1400 kg/m ³	EN 1015-10
Adhesion	0.15 N/mm ² (FP) B	EN 1015-12
Compressive strength	≥ 6 N/mm ² CS IV	EN 1015-11
Flexural strength	≥ 3 N/mm ²	EN 1015-11
Capillary water absorption	≤ 0,4 kg/m ² x min ^{0,5} W1	EN 1015-18
Water vapor permeability coefficient	μ 4	EN 1015-19
Thermal conductivity	0.45 W/mK (tab. mean value; P=50%)	EN 1745, A.12
Specific heat capacity	1 kJ/kgK	EN 1745, A.12
Reaction to fire	Class A1	EN 13501-1
Durability	Evaluation based on the provisions valid in the intended place of use of the mortar	EN 998-1
Hazardous substances	See MSDS	EN 998-1

For further information and advice on the handling, storage and safe disposal of the material, the user must consult the latest version of the Safety Data Sheet (SDS) available on the Internet, at www.vimark.com, which contains information on the physical characteristics, ecological and toxicological products, together with other safety information. Product complies with the provisions of the Regulation (EC) no. 1907/2006 (REACH) and Annex XVII, item 47 and subsequent amendments and additions.

PRODUCT FOR PROFESSIONAL USE.

ENVIRONMENT, HEALTH, AND SAFETY(REACH)



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COMPLIANCE



EN 998-1:2016
Coloured rendering mortar
CR-CS IV-W1

LEGAL NOTES

The data and prescriptions shown in this sheet, based on the best practical and laboratory experience, refer to laboratory tests and are to be considered in any case as indicative. The information and, in particular, the instructions concerning the application and final use of Vimark products are provided in good faith based on the current knowledge and experience of Vimark on the products provided they are properly stored, handled and used under normal conditions and observing Vimark's recommendations. Considering the different conditions of use and external factors that are independent of Vimark (support, environmental conditions, laying technique directions, etc.), those wishing to use them must therefore decide whether or not the product is suitable for use. Our warranty guarantee is therefore limited to the quality and consistency of the same with regard to the finished product, and exclusively for the above reported data. The company Vimark reserves itself the right to make technical changes without prior notice. Users must always refer to the latest version of the local data sheet relating to the product in question, copies of which will be provided upon request. This technical sheet cancels and replaces all previous editions. Any updates are published on the website www.vimark.com.



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