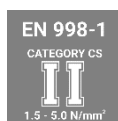




# MONO**CHROME** GF

*Base coat fibre-reinforced weather resistant grey render*



**Vimark**  
 Strada Spartafino 2  
 12016 Peveragno (CN) Italy  
 Ph. +39 0171 383800 | Fax +39 0171 339395  
 info@vimark.com | [Vimark.com](http://Vimark.com)



# MONOCHROME GF

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## DESCRIPTION

**MONO.CHROME GF** is a ready to use, mineral, weather resistant grey render for internal and external use on traditional masonry brick, blocks or concrete. The product allows to protect and smooth surfaces maintaining good breathability of walls. This product is designed for mechanical projection. Ideal as a grey coat finishing render or as a base coat for receiving decorative **MONO.CHROME** scrapped finish, **ARENINO VK2** sponged finish or **TALOCCIATO VK3** float finish.

## COMPOSITION

**MONO.CHROME GF** is a premixed product made up of special hydraulic binders, aerial lime, selected and appropriately gauged calcareous aggregates, special hydrophobic mass, fibres and specific additives that improve the quality of the product in terms of workability, breathability and adhesion to substrates.

## SUBSTRATE PREPARATION / PRE-TREATMENT

**MONO.CHROME GF** can be applied on masonry and walls built according to BS 5628-3 and constructed from shuttered concrete, concrete blocks, brickworks, AAC blocks, breeze blocks, clay blocks, sound and solid existing render or stone.

### SUBSTRATE PREPARATION

The substrates to be rendered must be sound, clean, solid, well adhered, free of dust and brittle parts, bacterial proliferation, saline efflorescence, oils, grease, wax, residues of previous work, etc. If necessary, clean the substrate by sand-blasting or pressure washing. Smooth, low suction substrates or compact concrete surfaces must be previously treated with a layer of **BETON RINZAFFO** key coat or with a layer of **MONOGRIP** primer to improve the adhesion of the render. The render application should be done 24-48 hours after applying the key coat **BETON RINZAFFO** or 12 hours after applying the primer **MONOGRIP**.

If the render has to be applied on non-homogeneous surfaces, insert within the render layer the fibreglass alkali-resistant reinforcement mesh **ARMANET 10X10**. The mesh should overlap by at least 30 cm beyond the product applied and be inserted within the render and not adherent to the wall.

## MIXING AND APPLICATION

The preparation of corner beads, level guides, etc. should be performed before applying the render to the wall.

For manual application, mix **MONO.CHROME GF** by adding approx. 6.0-6.5 litres of clean water per 25 kg bag in a cement mixer. Pour the correct amount of water into the cement mixer and then add the powder. Mix the product for about 2-3 minutes until smooth and free of lumps. Apply the product with a trowel as a traditional plaster. The mixed product is usable within 90' minutes after mixing with water. Applications by hand generally require two coats achieved by a "wet on wet" application or as a key coat and then a second coat application.

For applications by machine, apply **MONO.CHROME GF** evenly in a single layer, with a thickness between 10 and 20 mm. To achieve greater thicknesses, proceed with the application in successive layers by "wet on wet" application. Levelling and finishing the render layer with an aluminium screed bar. Any smudges or excess material is to be eliminated by scraping and sanding. The prepared surfaces are then suitable for treating with finishing products.

### SCRAPED FINISH

Apply coloured **MONO.CHROME** layer with a thickness of approx. 5-8 mm. Scraping should take place when the render has set but has not fully hardened and should always be done lightly, in a tight circular motion to achieve a uniform finish. Remove approx. 1-2 mm from the final surfaces. Setting time may vary according to environmental conditions and the type of substrate, from 4 to 8 hours after application. At the correct time, the aggregate scrapes easily from the wall and does not stick to the scraping tool. *All surfaces must be scraped at the same stage of readiness, as early scraping will result in darker shades and late scraping in lighter shades. A uniform approach is essential to achieve an even finish.*

The application on buildings situated in highly exposed locations or where there is wind driven rain or located near the coast ("Severe or Very Severe" category according to PD 6697) we advise the application of **VIMASIL ACQUA** water repellent when the render is dry.

### SPONGED FINISH

Apply **ARENINO VK2** 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 in order to obtain a sponged appearance.

The application on buildings situated in highly exposed locations or where there is wind driven rain or located near the coast ("Severe or Very Severe" category according to PD 6697) we advise the application of **VIMASIL ACQUA** water repellent when the mineral top coat is dry.

### FLOAT FINISH

Apply **TALOCCIATO VK3** 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 is to be applied in a thin and constant layer, which should be finished with a wooden or plastic trowel in order to obtain a float appearance.



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## TOOL CLEANING

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

## YIELD / CONSUMPTION

14 kg/m<sup>2</sup> per 10 mm of thickness.

1.2 m<sup>2</sup> @ 15 mm/25 kg bag.

1.8 m<sup>2</sup> @ 10 mm/25 kg bag.

## COLOR

Grey.

## PACKAGING

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

## EXPIRATION / CONSERVATION

6 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 + 5°C or more than + 35°C, in a strong wind, rain or under direct sunlight. 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 10 to 20 mm per layer. Do not apply to gypsum-based substrates, fibre cement or expanded mineral and organic panels. Protect the applied product from frost, rain and rapid drying for the first 24 hours.

## PRODUCT DATA

▪ <i>Appearance</i>	Powder	
▪ <i>Color</i>	Grey	
▪ <i>Dry bulk density</i> [15]	~ 1500 kg/m <sup>3</sup>	EN 1015-10
▪ <i>Maximum aggregate size</i>	≤ 1.5 mm	

## APPLICATION DATA

▪ <i>Water content of mix</i>	24-26%	
▪ <i>Mixing ratio</i>	1 bag + 6-6.5 litre of water	
▪ <i>Minimum application temperature</i>	+ 8°C	
▪ <i>Maximum application temperature</i>	+ 35°C	
▪ <i>Working time</i>	~ 90 minutes	

## TECHNICAL DATA

▪ <i>Bulk density of the fresh mortar</i>	~1800 kg/m <sup>3</sup>	EN 1015-6
▪ <i>Bulk density of the hardened mortar</i>	~ 1400 kg/m <sup>3</sup>	EN 1015-10
▪ <i>Adhesion after weathering cycles</i>	≥ 0.4 N/mm <sup>2</sup> (FP) B	EN 1015-12
▪ <i>Air content</i>	15%	EN 1015-7
▪ <i>Compressive strength</i>	≥ 2.0 N/mm <sup>2</sup> CS II	EN 1015-11
▪ <i>Flexural strength</i>	≥ 1.0 N/mm <sup>2</sup>	EN 1015-11
▪ <i>Capillary water absorption</i>	≤ 0.1 kg/m <sup>2</sup> x min <sup>0.5</sup> W2	EN 1015-18
▪ <i>Water permeability after weathering cycles</i>	0.5 ml/cm <sup>2</sup> after 48 h	EN 1015-18
▪ <i>Water vapour permeability coefficient</i>	≤ μ 15	EN 1015-19
▪ <i>Thermal conductivity</i>	0.45 W/mK (tab. mean value; P=50%)	EN 1745
▪ <i>Specific heat capacity</i>	1.0 kJ/kgK	EN 1745
▪ <i>Reaction to fire</i>	A1 Class	EN 13501-1
▪ <i>Durability</i>	Evaluation based on provisions valid in the intended place of use of the mortar	EN 998-1
▪ <i>Hazardous substances</i>	See MSDS	EN 998-1





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## ENVIRONMENT, HEALTH, AND SAFETY(REACH)

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](http://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.

## COMPLIANCE

### PRODUCT FOR PROFESSIONAL USE.

	<b>EN 998-1:2016</b> One coat rendering mortar for external use OC-CS II-W2
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## WARRANTY

Vimark manufactures under a quality system certified according to ISO 9001, Quality Management Systems, by accredited certification of QA International Certification Ltd. (UKAS) body. Vimark supplies products that comply with the relevant international standards and are guaranteed to be free from defects in materials or manufacture for a period of 10 years from the date of purchase. Warranty is subject to conditions.

**MONO.CHROME** render product meets the technical requirements of *NHBC Standards 2017 Chapter 6.11 "Render and rendering systems"* and therefore acceptable for use on developments intending to be covered by the NHBC Buildmark Warranty.

## ORDER & SUPPORT

Vimark products are distributed in UK, Ireland and Jersey through selected stocklists and distributors. Please contact our distributor below for all product orders and enquiries:

Telephone : +44 (0) 151 558 0890  
+44 (0) 20 3637 6080

E-mail: [info@vimark.co.uk](mailto:info@vimark.co.uk)

## 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](http://www.vimark.com).



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