



MONO CHROME

One-coat, through coloured,
breathable, weather resistant,
monocouche external render



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MONO.CHROME

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PRODUCT DESCRIPTION

MONO.CHROME is a one-coat, weather resistant, breathable, through coloured mineral decorating render for external use, suitable for most types of traditional masonry brick, blockwork or concrete. The product allows to protect, smooth and decorate, surfaces maintaining good breathability of walls. This product is designed for mechanical projection by diesel and electric machines or hand application. It is available in 48 different colours and can be finished in a range of textures such as scraped, light sprayed, sponged or float finish.

COMPOSITION

MONO.CHROME is a premixed product made up of special white cements, lime, selected and appropriately gauged calcareous aggregates, special hydrophobic mass additive, inorganic pigments and specific additives that improve the quality of the product in terms of workability, breathability and adhesion to substrates.

SUBSTRATES

MONO.CHROME 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 sandblasting 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** by adding approx. 5.0-5.5 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 render. 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.

The through colour and special design features allow for fast application and shorter programme periods, reducing the associated building site costs. **MONO.CHROME** 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 ("Severe or Very Severe" category according to PD 6697) we advise the application of **VIMASIL ACQUA** water repellent when the render is dry.

SCRAPED FINISH

Apply render layer with a total thickness of approx. 15-18 mm (in 2 coats: 7-9 mm per coat). 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.

SPONGE, FLOAT OR TROWEL FINISHES

Apply render layer with a thickness of approx. 12-15 mm and level with a Straight Edge. Any smudges or excess material can be eliminated by scraping and sanding. The following day, apply a further layer with minimum thickness and finish with a sponge, wooden or plastic trowel.

SPRAY FINISH

Apply render layer with a total thickness of approx. 15-18 mm (in 2 coats: 7-9 mm per coat). When the render is



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COVERAGE

14 kg/m² per 10 mm of thickness.
1.2 m² @ 15 mm/25 kg bag.
1.8 m² @ 10 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.

COLOUR

48 different colours (Colour book: MINERAL.colours 2.0).
Other colours are available subject to a minimum quantity.

PACKAGING

25 kg bags on disposable 1225 kg pallet (49 bags) protected by waterproof plastic wrap.

STORAGE & SHELF LIFE

12 months from date of manufacture if stored in unopened original packaging in a dry and frost-free place.

PRECAUTIONS

Do not apply in temperatures less than +8°C or more than +30°C, in 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 12 to 20 mm per layer. Do not apply to gypsum-based substrates, fibre cement or expanded mineral and organic panels. Always provide a gap from sidewalks, pavements or horizontal surfaces in general in order to avoid water absorption. The colour may vary, depending on the temperature and humidity in the environment. Always use the same amount of water when preparing to avoid possible colour variations. On extended surfaces provide adequate clearance of drains or joints, or create appropriate technical cuts. When applying avoid prolonged intervals until wall completion. Protect the applied product from frost, rain and rapid drying for the first 24 hours.

HEALTH & SAFETY

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). This product contains materials which may cause an allergic skin reaction, is irritating to eyes and may cause serious eye damage. In case of contact, seek medical help. Keep out of reach of children. Material Safety Data Sheet for this product is available on www.vimark.co.uk.

PRODUCT DATA

<i>Appearance</i>	powder	
<i>Colour</i>	white or coloured	
<i>Dry bulk density</i>	~ 1450 kg/m ³	EN 1015-10
<i>Maximum aggregate size</i>	≤ 1.5 mm	

APPLICATION DATA

<i>Water content of mix</i>	20-22%	
<i>Mixing ratio</i>	1 bag + 5.0-5.5 ℓ of water	
<i>Minimum application temperature</i>	+ 8°C	
<i>Maximum application temperature</i>	+ 30°C	
<i>Working time</i>	≥ 90' minutes	

PERFORMANCE DATA

<i>Bulk density of fresh mortar</i>	~ 1850 kg/m ³	EN 1015-6
<i>Bulk density of hardened mortar</i>	~ 1400 kg/m ³	EN 1015-10
<i>Adhesion after weathering cycles</i>	0.45 N/mm ² (FP) B	EN 1015-12
<i>Air content</i>	11%	EN 1015-7
<i>Consistence of fresh mortar</i>	130 mm	EN 1015-3



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<i>Compressive strength</i>	≥ 2.0 N/mm ² CS II	EN 1015-11
<i>Flexural strength</i>	≥ 1.0 N/mm ²	EN 1015-11
<i>Capillary water absorption</i>	≤ 0.0006 kg/m ² x min ^{0.5} W2	EN 1015-18
<i>Water permeability after weathering cycles</i>	0.5 ml/cm ² after 48 h	EN 1015-18
<i>Water vapour permeability coefficient</i>	μ ≤ 5	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

ACCORDING TO



EN 998-1

One coat rendering mortar for external use (OC)

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:

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Product for professional use. The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions. Updates will be published on the web site www.vimark.co.uk.

The management system has been certified according to:

EN ISO 9001
EN ISO 14001
BS OHSAS 18001



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