

NOBLO® Marble-aggregate finish render

PRODUCT PROFILE

Mineral finish render for restrained, elegant floated textures, with 1.5, 2 or 3 mm aggregate size. Different tools and finishing techniques may be used to create a wealth of non-directional textures. Overcoating with silicone colour equalization paint is recommended for coloured render and also white render on WARM WALL systems.

- mortar group P II to DIN 18550
- premixed dry mortar with lime/cementitious binder
- for indoors and outdoors
- modified
- good adhesion to mineral backgrounds
- water-repellent
- vapour-permeable
- weather-resistant
- for manual or machine application
- easily workable to required texture
- long open time
- brilliant white or coloured to CLASSI colour chart
- biocidal formulation upon request

TECHNICAL DATA

(DIN 18550/18557/4108/52617)

Bulk density:	1.25	kg/dm ³
Tensile bending strength:	1.7	N/mm ²
Compressive strength:	3.1	N/mm ²
Dynamic elastic modulus:	2800	N/mm ²
Water vapour diffusion resistance factor μ :	11	
Thermal conductivity λ :	0.87	0.87 W/(m·K)
Water absorption coefficient:	$w < 0.5 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$	

	Grading	Coat thickness	Coverage kg/m ²	Coverage m ² /bag
NOBLO 1.5	1.5 mm	1.5 mm	2.3	13.0
NOBLO 2	2.0 mm	2.0 mm	3.0	10.0
NOBLO 3	3.0 mm	3.0 mm	3.7	8.1

The above figures are approximate values and may vary according to background type.

PREPARATION

Protect weather-exposed work surfaces from rain. In the event of exposure to sunshine or very warm weather, hang nets around scaffolding until renderwork dries or postpone works until more favourable weather conditions prevail.

Cover or watertightly mask dirt-sensitive elements such as timber, glass, metal, stone, Brick and flooring.

Clean down background to remove dust, dirt or any other matter impairing render bond.

After suitable waiting time and full drying out, roll or brush on undiluted Isogrund suction control/Neutrasit® primer or Quarzgrund bonding primer over new lime-cement basecoats. Dilute 1:1 for application to reinforcing mortar.

Clean down dirty and friable, though strong, solid existing renderwork with high-pressure water jet and allow to dry. Stabilize with Tiefengrund LF deep-penetrating primer and, after min. 24 hours drying time, treat with undiluted Quarzgrund bonding primer. To outdoor surfaces, apply 3-4 mm coat of SM700 or Lustro, incorporating scrim where required, or incorporate scrim reinforcement over whole surface.

Clean down dusty concrete surfaces with high-pressure water jet. Apply undiluted Quarzgrund bonding primer after 24 hours drying time.

Treat new gypsum or gauged lime/gypsum renderwork with undiluted Quarzgrund bonding primer. Thoroughly dust down gypsum renderboard and pre-treat with undiluted ATON Sperrgrund primer sealer. Pre-treat filled joints with Tiefengrund LF deep-penetrating primer.

Two coats of ATON Sperrgrund may be required for renovation/refurbishment contracts. Pretreat paperless gypsum panels with Tiefengrund LF deep-penetrating primer. Apply undiluted Quarzgrund bonding primer after min. 24 hours drying time. Allow priming coats to dry for min. 24 hours prior to application of NOBLO.

APPLICATION

For manual application: add 30 kg bag contents to approx. 7.5 ltr water and stir to lump-free consistency. Re-stir after 15 minutes maturing time. Always mix sufficient mortar for complete area of renderwork. Using finishing trowel, apply to aggregate thickness and work to required texture.

For machine application: when starting up with D4-3 pump, set water to approx. 200 ltr, then set to lean, though not too thin a mortar consistency. Pre-lubricate hoses with wallpaper paste.

Spray on mortar, strike off with trowel to aggregate thickness and immediately work to required texture using appropriate tool (sponge float, PVC float, roller, trowel, brush etc.).

Work wet on wet, do not rub renderwork that has stiffened!

PLEASE NOTE

Rendering works are subject to the requirements of DIN 18550 and DIN 18350 VOB (German Construction Contract Procedures) Part C.

Mix dry mortar only with clean water. Do not use any foreign additives. Do not apply at air and/or wall temperatures below +5°C. Protect fresh renderwork against frost and premature drying out.

With composite masonry or larger render thicknesses, for felt-floated and brushed finishes or textured renderwork with aggregate size less than 2 mm, embed scrim in basecoat over whole surface or incorporate scrim reinforcement using SM700 or Lustro. The renderwork surface may exhibit variations in colour, strength and gloss level or, chiefly in the colder season, suffer calcium carbonate efflorescence due to consistency-, weather- or drying-related factors. These features, however, in no way impair quality and shall not provide any justification for claims in respect of the material as they stem from uncontrollable physical conditions at the site and their impact will, over time, diminish through natural weathering and subsequent carbonation.

To counteract weather- and application-related colour variations, connected surfaces shall always be rendered from corner to corner without interruption. For this reason, wherever possible, always complete visually unified, if separate, surfaces on same day. This is particularly important for terraced house fronts etc.

A single coat of MARMORIT silicone colour equalization paint in render colour is required for coloured NOBLO and also white NOBLO on WARM WALL systems. Given the varying pigmentation, a 100% colour match between NOBLO and silicone colour equalization paint or the MARMORIT CLASSIC '04 colour chart cannot be guaranteed. Nor can variations in colour be ruled out for the same hue.

NOBLO may be carried down over cement plinth render to approx. 5 cm above ground level provided risk of splashing is low or additional protection (e.g. painted finish) is incorporated.

For outdoor use, NOBLO is formulated to control and inhibit algal and fungal attack. No guarantee can, however, be given for long-term protection against algal and fungal growth. Vulnerability to attack depends on local factors and the prevailing environmental conditions.

After drying out, all rendered surfaces in contact with ground or gravel beds shall be waterproofed/protected against moisture ingress, starting from basement wall waterproof barrier up to approx. 5 cm above ground level, in accordance with DIN 18195.

Alternatively, a 2.5 mm coat of MARMORIT SOCKEL-DICHT may be applied. Cover with nonwoven-faced studded sheet after drying.

SAFETY AT WORK

Mortar exhibits a strong alkaline reaction upon contact with water. Causes eye and skin irritation. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Once set, the material poses no physiological or ecological hazards.

MACHINE/EQUIPMENT

Rendering machine such as PFT G4/G5 or equivalent for large-scale application

Stator:

D4-3 green, half capacity

Rotor:

D4-3 Super, half capacity

Mortar hoses: 25 mm dia

Wet mortar pumping distance up to 30 m

Additional equipment: Rotoquirl remixer required!

COMPOSITION

Binder:

Hydrated lime to DIN 1060

White Portland cement to DIN 1164

Aggregate:

Marble graded to DIN 4226, 0–1.5 , 2 and 3 mm

Admixtures:

Water-retaining admixture, water-repellent, where required alkali-resistant and lightfast colour pigments

QUALITY

The product is subject to continuous in-house and external monitoring to DIN 18557 and carries the RAL Quality Label for premixed dry mortar.

DELIVERY FORM/SHELF LIFE

30 kg paper bags.

Shelf life 6 months, subject to storage in dry, moisture-protected environment.

SUPPLY

Via Marmorit approved applicators or local distributors

NOTE

This data sheet, which replaces all previous editions, is designed to provide you with advice and assistance. The information presented herein reflects our present state of knowledge. It cannot, however, embody the sum total of good practice, nor incorporate the provisions of all relevant standards, codes of practice and guidelines. These – together with the relevant application rules and guidelines – shall be duly observed by the applicator!

TECHNICAL ADVICE

Information and advice may be provided by our external representatives or the MARMORIT Technical Department