



GROVE MASSETTO

Ready-made screed for thin overlays and for slope modification

CE marking:

- EN 13813 – Designazione massetto cementizio: CT-C20-F6-A1fl



TECHNICAL SPECIFICATIONS



FIELD OF APPLICATION



APPLICATIONS



Description

GROVE MASSETTO is a ready-made powdered product that, when precisely batched with water, forms a paste that can be used to create bonded screeds, low-thickness skim coats, refurbishments and repairs of any thickness in all surfaces both indoors and outdoors.

Supplemented with GROVE PRIMER ECO in the right proportions, GROVE MASSETTO it forms a slurry characterised by a considerable gripping power which enables it to be used on traditional substrates (concrete or screeds) and on tiles with glossy surface.

CE marking

► EN 13813

GROVE MASSETTO complies with the principles envisaged in the EN 13813 standard ("Screed material and floor screeds - Screed materials: Properties and requirements") with the following designation:

→ CT - C20 - F6 - A1fl

- Cement screed (CT)
- Compressive strength: 20 MPa (C20)
- Flexural strength: 6 MPa (F6)
- Fire reaction class (as per EN 13501-1): A1-fl

Colour

The product is available in grey.

Field of application

GROVE MASSETTO is used EXCLUSIVELY BY ADHESION on other surfaces.

Therefore, before applying GROVE MASSETTO, the surface must be treated with an ADHESIVE SLURRY produced with GROVE MASSETTO and GROVE PRIMER ECO (refer to the paragraph, "Preparation of the ADHESIVE SLURRY with GROVE PRIMER ECO", in the "Preparing the product" chapter).

GROVE MASSETTO is suitable for:

- Modifying slopes or applying thin layers – up to 2 cm of thickness – on old and new floors.
- Modifying the slopes on flat roofs, terraces and balconies before the waterproofing treatment to be carried out with liquid membranes, or before tiling.
- Skim coating tiled surfaces with deep gaps for the successive application of resins.
- Skim coating the surface and closing the pores of "open-pore" screeds.
- Modifying the slopes on flat roofs, terraces and balconies before the waterproofing treatment to be carried out with liquid membranes, or before tiling.
- Apply thin layers to smooth the bottom of swimming pools (see "Preparation of GROVE MASSETTO with the addition of GROVE PRIMER ECO to the mix water" under the chapter "Preparing the product").

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The ADHESIVE SLURRY of GROVE PRIMER ECO + GROVE MASSETTO adheres perfectly to:

- Sand and cement screeds, self-levelling cement screeds, anhydrite and calcium sulphate screeds.
- Quartz-hardened industrial concrete.
- Stoneware, clinker and porcelain stoneware tiles without polishing.
- Natural stone, cement, marble-cement and cotto tiles.
- All types of wood.
- Painted surfaces.

Advantages

- GROVE MASSETTO is easy to prepare and to use.
 - GROVE MASSETTO cures rapidly.
- GROVE MASSETTO can be applied to a thickness between 1 mm and several centimetres (maximum 10 cm) on all types of substrates (with the addition of GROVE PRIMER ECO).
- GROVE MASSETTO has minimal shrinkage.
 - GROVE MASSETTO is suitable for interiors and exteriors.
 - The mere addition of GROVE PRIMER ECO to the mix water allows for increasing the compressive strength, flexural strength, adhesion and cortical resistance of GROVE MASSETTO.

General preparation of the laying support

Follow the practices of the state of the art:

- thoroughly clean the surface by eliminating any loose parts, oil, grease or paint that could prevent the product's correct adhesion;
- make sure that the supports are free of rising damp from the bottom.

Specific preparation of the laying support

As already mentioned in the "Field of application" chapter, GROVE MASSETTO must be used only for ADHESION to the application support.

Perfect adhesion is obtained by ALWAYS applying, as a specific base coat for all supports, the ADHESIVE SLURRY made up of GROVE MASSETTO and GROVE PRIMER ECO.

The ADHESIVE SLURRY also has a consolidating effect on sand-cement screeds that are not sufficiently bound.

Preparing the product

► Preparation of the ADHESIVE SLURRY with GROVE PRIMER ECO

- Pour into a service bucket 1 part by weight of GROVE PRIMER ECO.
- Add 2 or 3 parts by weight of GROVE MASSETTO under agitation.
- Mix until obtaining a fluid and homogeneous slurry.
- Adjust the consistency by adding liquid or powder.

► Preparation with WATER as a SCREED with the consistency of DAMP GROUND

- Pour GROVE MASSETTO into a screed mixer (or into a bucket for mixing with an adhesive mixer).
- Add water while mixing: dose 7–8% on the weight of GROVE MASSETTO, equal to 1.75–2 l of water per 25 kg bag of GROVE MASSETTO) until obtaining a mix that must have the consistency of DAMP GROUND.

► Preparation of GROVE MASSETTO with the addition of GROVE PRIMER ECO to the mix water

- Preparare l'acqua d'impasto (dosaggio compreso tra 7 e 8% sul peso di GROVE MASSETTO).
- Add to the mix water 20% of GROVE PRIMER ECO (referred to the water).
- Pour GROVE MASSETTO into a screed mixer and add, while mixing, the water/GROVE PRIMER ECO mixture.
- Mix the contents until obtaining the consistency of DAMP EARTH.

Application of the product

► Standard application technique

- Prepare the SCREED with water alone or with the water+GROVE PRIMER ECO mix as described in the "Preparing the product" chapter.

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- Prepare the ADHESIVE SLURRY as described in the paragraph “► Preparation of the ADHESIVE SLURRY with GROVE PRIMER ECO”.
- Apply BOIACCA ADESIVA.
- Wet on wet (within between 1 and 30 minutes after the application of the SLURRY), cover the surface with part of the GROVE MASSETTO mixed.
- Apply the rest of GROVE MASSETTO.
- Level and finish the surface using a smooth steel trowel.

Consumption

type of application	minimum consumption	maximum consumption	UoM	dilution
As a SCREED with the consistency of DAMP GROUND (with or without GROVE PRIMER ECO)	17	18	kg/m ² /cm	of the powdered product
Come BOIACCA preparata con GROVE PRIMER ECO (2 – 3 parti in peso di GROVE MASSETTO impastate con 1 parte in peso di GROVE PRIMER ECO)	0,6	0,9	kg/m ²	of the powdered product

Cleaning of tools

- Wet product: clean with water (including a power wash).
- Hardened product: remove mechanically.

Useful application tips

- To obtain good workability of the fresh mix, we recommend dosing the water as indicated in this Technical Sheet.
- Do not apply on flaky, dusty or deteriorated surfaces.
- Do not apply on frosted supports.
- Do not apply on surfaces that are expected to frost within the next 24 hours after application.
- Do not apply under strong sunlight, when rain is forecast or in strong wind.
- Read the Safety Sheet carefully before using the product.

Technical data

► PRODUCT IDENTIFICATION DATA	UoM	value
Consistency	-	Powder
Colour	-	Grey
Solid residue	-	100%
Grain-size distribution, EN 933-1	mm	≤ 1,25
► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Density of the mix, EN 1015-6	kg/L	1,85 ± 0,03
Mix water	-	7% – 8%
Mix water (for 25 kg bag)	l/bag	1,75 – 2,00
Pot-life of the mix	min	100 ± 10
Application temperature	°C	from +5 to +35
Minimum applicable thickness	mm	1
Maximum applicable thickness	mm	100
Hardening time of the SLURRY (with GROVE PRIMER), at +5°C	min	60
Hardening time of the SLURRY (with GROVE PRIMER), at +20°C	min	45
SCREED hardening time for covering over	hours	12 - 24
Thermal conductivity, λ, EN 12664	W/(m•K)	0,71 ± 0,04

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► TECHNICAL DATA IN CONFORMITY TO EN 13813	UoM	value
Compressive strength (at 28 days), EN 13892-2	MPa	21,0 ± 0,2
Flexural strength (at 28 days), EN 13892-2	MPa	> 6
Fire reaction (Euroclass), EN 13501-1	-	A1-fl

Storage of the product

- 12 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +5°C and +35°C.
- Protect the product against humidity.

Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	25 kg bag	NO	48 sacchi	

Legenda ADR:

NO = merce NON PERICOLOSA

LEGAL NOTES

Advice on how to use our products corresponds to the current state of our knowledge and does not involve the assumption of any guarantee and / or responsibility for the final result of the work. They do not refore exempt the customer from the responsibility of verifying the suitability of the products for the use and the prefixed purposes through preventive tests. The website www.nordresine.com contains the latest revision of this datasheet.

EDITION

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