HASIT
Natürlich besser bauen

TECHNICAL DATA SHEET

HASIT 251 RENOSTAR®

Renovation ground coating

Areas of application

Mineral renovation and leveling plaster with universal application areas. 1 to 10 mm application thickness possible in one layer. For reworking old plaster, including in monument preservation. Reinforcing filler for plaster renovations in conjunction with HASIT reinforcement fabrics. Levelling plaster for the reworking of standard, load-bearing substrates. To be used on façade bases if the association guidelines for façade base plaster/outdoor installations are observed. Do not use for gluing or reinforcing insulation boards. For the renovation of load-bearing old renders (also alkali-resistant synthetic resin renders) and load-bearing old coatings (also alkali-resistant dispersion coatings) as well as non-static cracks. Once the rendering coat has completely bound, all HASIT finishing plasters (mineral/paste-form) or HASIT RENO plasters (251 RENOSTAR® or 254 RENOFINISH®) can be used as finishing plasters.

Properties

- Low-tension hardening
- Fibre-reinforced
- Low shrinkage
- Excellent processing
- Very good adhesion
- Application thickness 1–10 mm
- For finely felted surfaces
- For the refurbishment of facades

Application procedure

Technical data

Item number	2000142777
EAN	4038502146304
Customs Tariff No.	32149000
Packaging	
Quantity per unit	25 kg/unit
Unit per pallet	42 unit/Pal.
Grain size	0-0,5 mm
Consumption	approx. 1,5 kg/m²/mm
Consumption instructions	Consumption values are guideline values and depend heavily on the substrate and processing technology. When processing for the first time and for large areas, create sample areas.
Water consumption	approx. 7,5 L/unit
Water absorption	≥ 2 kg/m²*min0,5

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Item number	2000142777
Water vapour diffusion	approx. 25
Vapour diffusion openness	High open diffusion
Compressive strength	≤ 3,5 N/mm² (28 d) EN 1015-11
Pressure resistance	1,8 N/mm² (28 d)
Thermal conductivity	0,33 W/mK for P=50% 0,36 W/mK for P=90%
Max. application density	10 mm
Profusion	Carbonization
Minimum plaster thickness	1 mm
Mortar class	Normal plaster mortar GP - CS II - WC0 EN 998-1
pH-value	10,5
Layer thickness	1-10 mm
Dry density	approx. 1200 kg/m³
Substrate temperature	5-25 °C
Packaging	In recyclable paper bags.

Material base

- Fibers
- High-quality Marble fine sand
- Mineral
- Organic content < 5 %
- White special cement
- White hydrated lime
- Additives to improve processing properties

Application conditions

During the processing and drying phase, the ambient or substrate temperature must not fall below +5 °C and must not rise above +30 °C. During applying and setting process provide frost protection (min. 7 days).

Surface

The surface has to be dry, without dust, unfrosted, absorptive, flat, sufficiently rough and bearing as well as without efflorescence and release agents creating a film (such as formwork oil and similar). Substrate testing must be carried out in accordance with DIN 18350. Partially damaged rendering shall be removed. Hollow and unstable segments of listed structures (monuments of culture) can be removed only after a consultation. In case they have to be preserved, they should be filled according to the instructions.

Surface pre-treatment

Before reworking the old plaster, the substrate should be tested for its load-bearing capacity by means of pull-off adhesion testing. For this purpose, prepare sample areas of 1 m² using the filler and white HASIT reinforcement fabric at no less than 2 characteristic points. After drying (at least 7 days), the pull-off adhesion testing is carried out and

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evaluated. On carefully cleaned and dry concrete surfaces no bonding/adhesion bridge is required. After cleaning with a stream of water, allow the surface to dry sufficiently (about 10 days in good weather). Should organic substrates be cleaned using a high-pressure cleaner anyway, the drying time shall be extended accordingly. Weak, flaking substrates can be reconditioned or reinforced using HASIT gelling agents.

Preparation

When processing manually, mix a bag in clean water according to the amount of water required using a motor stirrer or a compulsory mixer until a homogeneous mass is achieved. Let the product mature for about 10 minutes in the bucket after mixing, then mix again briefly. The binding material should not be re-mixed.

Processing note

The fresh mixture should be processed for 2 hours. During hardening – especially when using heating devices – good drying and hardening conditions must be ensured (e.g. by shock ventilation). Direct heating of the plaster is not permitted.

Application procedure

For manual processing, apply the mixed material with the trowel or skim it on with the float.
When used as reinforcement plaster, insert HASIT Reinforcement Fabric White. The reinforcement fabric shall be embedded near the surface but completely covered.
In machine treatment spray using the standard plastering machine.
After application the surface shall be smoothened via a lute.
Not suitable for laying large ceramic wall tiles or heavy natural stone slabs. Slab laying in small areas is possible on surfaces with minor moisture exposure (e.g. domestic kitchens, toilet rooms) after sufficient curing (min. 4 weeks).
In order to avoid potentially harmful fumes, wherever it is possible interior paints should be used that have been tested by TÜV Rheinland for their freedom of emissions and pollutants.
Structuring trowel

Hazard statements

Please refer to our separate safety data sheets for detailed safety instructions. Read through these before use.

Storage

Store in a dry place and protect against moisture.
Properly stored, in an unopened container, the product is low in chromate in accordance with Regulation 1907/2006 EC Annex XVII at +20 °C, 65 % RH. Minimum shelf life 12 months after production (date of manufacture see packaging imprint).

Certificates

Label

General information

This technical data sheet substitutes and annuls the previous editions of the same. If you have further questions, please contact your sales advisor or specialist retailer.
Updated technical data sheets are available on the website www.roefix.com, or you can ask the sales representative.
All technical data listed in this product specification has been determined under laboratory conditions.
For concrete substrates, the residual moisture must be less than 4 M-% (drying test). Do not plaster damp components (risk of later cracking). The masonry must be protected from moisture throughout the construction period. No treatment is possible for substrates burdened with humidity and/or salts. Movement joints must not be plastered over. A joint cut (trowel cut) must be made between wall and ceiling plaster or stairways, which is then felt over again on the surface. Plaster joints or suitable joint profiles must be considered when structural movements can occur. In terms

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of plaster and joint profiles, the manufacturer's guidelines must be observed. For surfaces to be tiled, the plaster should not be felted but only levelled. In the event of constant or recurring moisture penetration (e.g. due to missing seals, capillary rising damp, penetrating damp), plaster systems according to EN DIN 13914 with national annex DIN 18550 reduce their strength and water-repellent properties over time. Please refer to the current BFS information sheets and the VDPM/IWM or Bundesverband der Gipsindustrie e.V. guidelines.