



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

Application procedure:



Technical data	
Item no.	2000142777
EAN	4038502146304
Customs Tariff No.	32149000
Packaging type	
Quantity per unit	25 kg/unit
Unit per pallet	42 unit/Pal.
Granulation	0 - 0.5 mm
Consumption	approx. 1.5 kg/m ² /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.
Amount of water required	approx. 7.5 l/unit
Layer thickness	1 - 10 mm
Minimum plaster thickness	1 mm
Max. application density	10 mm
Dry density	approx. 1,200 kg/m ³
Water vapour diffusion-resistance number μ	approx. 25
Thermal conductivity $\lambda_{10, dry}$	0.33 W/mK (Table value) for P=50%
Thermal conductivity $\lambda_{10, dry}$	0.36 W/mK (Table value) for P=90%
pH-value	approx. 10.5
Pressure resistance (28 d)	1.8 N/mm ²



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Item no.	2000142777
Compressive strength (28 d)	≤ 3.5 N/mm ² (EN 1015-11)
Water absorption	≥ 2 kg/m ² /24 h
MG (EN 998-1)	Normal plaster mortar GP - CS II - WC0

Material base:	<ul style="list-style-type: none">• White hydrated lime• White special cement• High-quality Marble fine sand• Addition of fibres• Additives to improve processing properties• Organic share <5%• Mineral
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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).
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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.
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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 m ² 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 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.
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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.
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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 smoothed via a lute. Structuring trowel 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. 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.
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Please note:	<p>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.</p> <p>No treatment is possible for substrates burdened with humidity and/or salts.</p> <p>Plaster joints or suitable joint profiles must be considered when structural movements can occur. In terms of plaster and joint profiles, the manufacturer's guidelines must be observed.</p> <p>For surfaces to be tiled, the plaster should not be felted but only levelled.</p> <p>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.</p> <p>Please refer to the current BFS information sheets and the VDPM/IWM or Bundesverband der Gipsindustrie e.V. guidelines.</p>
Quality assurance:	The product is continuously monitored in our own laboratory.
Packaging:	In recyclable paper bags.
Storage:	<p>Store in a dry place on wooden pallets.</p> <p>Can be stored for at least 12 months. Low in chromate according to Regulation 1907/2006/EC Annex XVII at +20 °C, 65 % RH, at least 12 months after manufacture, date of manufacture see packaging imprint.</p>
Hazard statements:	Please refer to our separate safety data sheets for detailed safety instructions. Read through these before use.
Certificates:	 
General information:	<p>This technical data sheet substitutes and annuls the previous editions of the same.</p> <p>Time-based values refer to standardised climatic conditions (+20 °C/65 % relative humidity). These can vary due to environmental factors, such as temperature, moisture and type of substrate.</p> <p>The data is processed carefully and conscientiously, however they do not provide a warranty for the accuracy and completeness of the same, nor are they responsible for future decisions of users. These data itself is not based on legal relations or other additional obligations. These data do not release the customer from the obligation to check whether the product is suitable for its intended purpose.</p> <p>Our products, as well as all raw materials contained in them, are subject to continuous monitoring in order to guarantee consistent quality.</p> <p>If you have further questions, please contact your sales advisor or specialist retailer.</p> <p>The current status of our technical bulletins can be found on our website or can be requested in the responsible office.</p>