HASIT
Natürlich besser bauen

TECHNICAL DATA SHEET

HASIT 250 RENOPLUS®

Renovation and levelling plaster

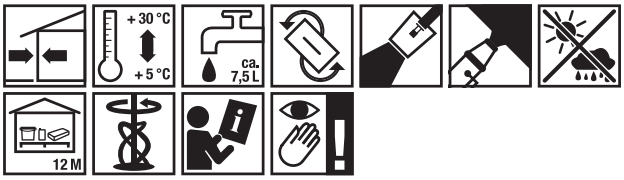
Areas of application

Mineral renovation and levelling plaster for general use. 3 to 30 mm application thickness possible in one layer. For the reworking of old plasters, also in the preservation of historical monuments. Up to 5 mm layer thickness as reinforcement filler used in plaster renovations together with HASIT reinforcement fabric. Levelling plaster for the reworking of standard, load-bearing substrates. Do not use for gluing or reinforcing insulation boards. For the reworking of load-bearing old plasters and load-bearing old paintwork as well as non-static cracks. Particularly suitable to compensate for uneven surfaces, unevenly absorbent, in case of different thicknesses as well as for plastering heating and hot water tubes in the wall.

Properties

- Excellent processing
- Good adhesion
- Fibre-reinforced
- Low-tension hardening
- Application thickness 3–30 mm
- Low shrinkage

Application procedure



Technical data

Item number	2000068069	2000068111
EAN	4038502107398	4038502147479
Customs Tariff No.	32149000	
Packaging		
Quantity per unit	25 kg/unit	1000 kg/unit
Unit per pallet	42 unit/Pal.	
Grain size	0-1 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.	
Yield in litres	790 L/t	

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Item number	2000068069	2000068111
Water consumption	approx. 7,5 L/unit	
Reaction to fire	A1	
Water absorption	≥ 2 kg/m²*min0,5	
Vapour diffusion openness	High open diffusion	
Compressive strength	≤ 3 N/mm² (28 d) EN 1015-11	
Pressure resistance	≥ 1 N/mm² (28 d)	
Thermal conductivity	0,61 W/mK for P=50% 0,66 W/mK for P=90%	
E-module	approx. 3500 N/mm²	
Max. application density	30 mm	
Profusion	Carbonization	
Minimum plaster thickness	3 mm	
Mortar class	Normal plaster mortar GP - CS II - WC0 EN 998-1	
pH-value	12	
Layer thickness	3-30 mm	
Dry density	approx. 1400 kg/m³	
Substrate temperature	5-25 °C	
Packaging	In recyclable paper bags.	
WDDZ min	15	
WDDZ max	35	

Material base

- Fibers
- High-quality crushed lime sand
- Mineral
- Organic content < 5 %
- White hydrated lime
- White cement (small proportion)
- 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. Remove damaged plaster parts. Remove cavities and loose parts. The render versions for wall heating systems depend on the render base, i.e. the supporting wall of the wall heating.

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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. Unstable old plaster and existing paint must be removed. After installing the wall heating systems on mineral supports such as solid and hollow masonry blocks, no pretreatment of the substrate is required. On carefully cleaned and dry concrete surfaces no bonding/adhesion bridge is required. 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 applying even with a batten. After the beginning of hardening, roughen or smoothen the surface for subsequent coating using scraping tools.
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). To reduce the danger cracks forming in plaster of wall heating systems, it is usually suggested that a reinforcement net be applied.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).

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 3 M-% (drying test). Do not plaster damp components (risk of later cracking). The masonry must be protected from moisture throughout the construction period. 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 of plaster and joint profiles,

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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.