



HASIT FIXIT 223


Aerogel HDP special embedding mortar

Areas of application: Mineral embedding and leveling mortar for HASIT FIXIT Aerogel high-performance insulating plaster system (HDPS).
 As a reinforcement layer on the HASIT FIXIT 222 high-performance insulating plaster (HDP) in combination with HASIT white reinforcement fabric HDP.
 For reworking old plaster, including in monument preservation.
 To be used in the facade base only in compliance with the association guidelines for facade base plaster/outdoor facilities.
 Do not use for gluing or reinforcing insulation boards.
 Once the base coat has completely hardened, all HASIT LITHIN® finishing coats (except HASIT 700 LITHIN® rough finish) or HASIT 252 RENODESIGN® can be used as finishing coats.

- Properties:**
- High diffusion openness
 - Fibre-reinforced
 - Low-tension hardening
 - Good adhesion
 - Low shrinkage
 - Excellent processing

Application procedure:



Technical data		
Item no.	2000960169	2000142767
EAN	4038502163585	4038502157195
Customs Tariff No.	32149000	
Packaging type		
Quantity per unit	25 kg/unit	30 kg/unit
Unit per pallet	40 unit/Pal.	30 unit/Pal.
Granulation	0 - 1.4 mm	
Consumption	approx. 1.25 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. 8.75 l/unit	approx. 10.5 l/unit
Layer thickness	approx. 3 mm	
Minimum plaster thickness	3 mm	
Max. application density	5 mm	
Dry density	approx. 1,250 kg/m ³	
Water vapour diffusion μ	15 - 20	
pH-value	approx. 10.5	
Pressure resistance (28 d)	≥ 1 N/mm ²	
Compressive strength (28 d)	≤ 2 N/mm ² (EN 1015-11)	
Reaction to fire (EN 998-1:2016)	A2-s1, d0	
MG (EN 998-1)	Normal plaster mortar GP - CS II - WC0	



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Material base:	<ul style="list-style-type: none"> • White hydrated lime • White cement (small proportion) • High-quality crushed lime sand • Light additive (mineral) • Addition of fibres • Additives to improve processing properties • Organic share <5% • Mineral
Application conditions:	<p>During the processing and drying phase, the ambient or substrate temperature must not fall below +5 °C and must not rise above +30 °C.</p> <p>During applying and setting process provide frost protection (min. 7 days).</p> <p>Lime plasters need carbon dioxide from fresh air to set and must be able to release water into it at the same time. Therefore, sufficient fresh air supply must be ensured in poorly ventilated rooms (e.g. fans). Dehumidifiers are unsuitable for the rapid drying of lime plasters that have not yet set (risk of cracking) and must therefore not be used.</p>
Surface:	<p>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).</p> <p>Substrate testing must be carried out in accordance with DIN 18350.</p> <p>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.</p>
Surface pre-treatment:	<p>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 evaluated.</p> <p>Non-bearing old plaster or paint must be removed.</p> <p>On carefully cleaned and dry concrete surfaces no bonding/adhesion bridge is required.</p> <p>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.</p> <p>Weak, flaking substrates can be reconditioned or reinforced using HASIT gelling agents.</p>
Preparation:	<p>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.</p> <p>Let the product mature for about 10 minutes in the bucket after mixing, then mix again briefly.</p> <p>The binding material should not be re-mixed.</p>
Application procedure:	<p>For manual processing, apply the mixed material with the trowel or skim it on with the float.</p> <p>When used as reinforcing plaster, embed HASIT white reinforcement fabric HDP. The reinforcement fabric should be embedded close to the surface but completely covered.</p> <p>In machine treatment spray using the standard plastering machine.</p> <p>After applying even with a batten. After the beginning of hardening, roughen or smoothen the surface for subsequent coating using scraping tools.</p> <p>The fresh mixture should be processed for 2 hours.</p> <p>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.</p> <p>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).</p> <p>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.</p>



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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. 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:	<p>The product is produced in the specialty factory in Weiach ZH according to strict quality guidelines and is continuously tested in the factory's own QS laboratory.</p>
Packaging:	<p>In recyclable paper bags.</p>
Storage:	<p>Store in a dry place on wooden pallets.</p> <p>Shelf life: approx. 12 months (manufacturing date see packaging imprint). Low in chromate according to Directive 2003/53/EC</p>
Hazard statements:	<p>Please refer to our separate safety data sheets for detailed safety instructions. Read through these before use.</p>
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>