HASIT
Natürlich besser bauen

TECHNICAL DATA SHEET

HASIT 717 OPTI

LITHIN® grain structure lightweight plaster

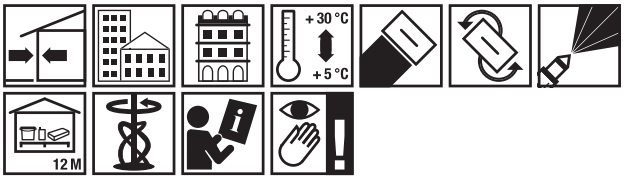
Areas of application

Pre-fabricated, ready to use, thin-layer finishing plaster in a wide range of colors, different structures and grain sizes. Decorative structural render for use on prepared and primed plaster and ETICS facades, for manual and machine application.

Properties

- Decorative
- Various grain size ranges
- Easy to apply
- Excellent adhesion
- Highly weather-resistant
- Spraying possibility
- For ETICS and conventional facades

Application procedure



Technical data

Item number	2000147023
EAN	4038502149350
Customs Tariff No.	32149000
Packaging	
Quantity per unit	17 kg/unit
Unit per pallet	42 unit/Pal.
Grain size	0-2 mm
Colour	Natural white
Colour selection	Limited
Consumption	approx. 1,8 kg/m²

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Item number	2000147023
Water consumption	approx. 8 L/unit
Reaction to fire	A1
Water absorption	< 0,2 kg/m²*min0,5
Water vapour diffusion	≤ 20
Vapour diffusion openness	High open diffusion
Compressive strength	approx. 1,5 N/mm² (28 d) EN 1015-11
Thermal conductivity	0,33 W/mK for P=50% 0,36 W/mK for P=90%
Mortar class	Fine plaster mortar CR - CS I - WC2 EN 998-1 PII DIN 18550
pH-value	12
Layer thickness	0-2 mm
Specific heat capacity	approx. 1 kJ/kg K
Dry density	< 1200 kg/m³
Substrate temperature	5-30 °C
Packaging	In recyclable paper bags.

Material base

- Additives
- Binder
- Fillers
- Pigments

Application conditions

Until completely dry, protect from frost, temperatures above 30 °C, rapid drying (direct sunlight, wind), and subsequent moisture (rain). High humidity or surface condensation sustainably affect plaster drying and can lead to a patchy surface and washing out of the top coat.During the processing and drying phase, the temperature of the surrounding environment and of the substrate must not drop below +5 °C.

Surface

The surface needs to be dry, bearing and clean, without dust, soot, algae, efflorescence etc. Application of the thermal insulation reinforcing putties should be according to the regulatory requirements on the layer thickness, the putties must be dry (min. 7 days – in wet and cold weather drying time is prolonged). Different surface absorption leads to optical differences in the surface (i.e. shiny areas, different colour tones). Before applying the finishing plaster, the substrate must not be frozen and should not be subject to freezing for min. 7 hours. When applying the top coat on base plaster, the base plaster must dry for at least 7 days per 1 cm of thickness.
Lime base plasters: Applicable after sufficient drying of the plaster base
Lime-cement undercoat plasters: When the plaster base has sufficiently dried, apply HASIT 251 RENOSTAR® renovation filler and a reinforcement layer with HASIT adhesive and reinforcing mortar, e.g. HASIT DIEPLAST 804/860. To equalize the substrate's absorption behaviour and thus achieve uniform colouring of the fine plaster as well as to improve adhesion and additional hydrophobicity, HASIT PLASTER BASE UNI or HASIT PLASTER BASE PREMIUM is recommended.

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Lightweight base plasters: When the plaster base has sufficiently dried, apply HASIT 251 RENOSTAR® renovation filler and a reinforcement layer with HASIT adhesive and reinforcing mortar, e.g. HASIT DIEPLAST 804/860. To equalize the substrate's absorption behaviour and thus achieve uniform colouring of the fine plaster as well as to improve adhesion and additional hydrophobicity, HASIT PLASTER BASE UNI or HASIT PLASTER BASE PREMIUM is recommended.
Thermal insulation plasters: When the plaster base has sufficiently dried, apply HASIT 251 RENOSTAR® renovation filler and a reinforcement layer with HASIT adhesive and reinforcing mortar, e.g. HASIT DIEPLAST 804/860. To equalize the substrate's absorption behaviour and thus achieve uniform colouring of the fine plaster as well as to improve adhesion and additional hydrophobicity, HASIT PLASTER BASE UNI or HASIT PLASTER BASE PREMIUM is recommended.
Concrete: On adhesive fillers with HASIT 605 adhesive and reinforcing mortar. Before coating, prime with HASIT PLASTER BASE PREMIUM.
Thermal-insulation systems, thermal-insulation plasters, elastic surfaces:: Applicable after sufficient drying of the reinforcement layer. To equalize the substrate's absorption behaviour and thus achieve uniform colouring of the fine plaster as well as to improve adhesion and additional hydrophobicity, HASIT PLASTER BASE UNI or HASIT PLASTER BASE PREMIUM is recommended.
Mineral old plaster without coating: On renovation filler HASIT 251 RENOSTAR®. To equalize the substrate's absorption behaviour and thus achieve uniform colouring of the fine plaster as well as to improve adhesion and additional hydrophobicity, HASIT PLASTER BASE UNI or HASIT PLASTER BASE PREMIUM is recommended.
Old plaster with mineral coating
Organic old plasters: On renovation filler HASIT 251 RENOSTAR®. To equalize the substrate's absorption behaviour and thus achieve uniform colouring of the fine plaster as well as to improve adhesion and additional hydrophobicity, HASIT PLASTER BASE UNI or HASIT PLASTER BASE PREMIUM is recommended.
Dry undercoat plasters which contain gypsum: Substrate pretreatment with HASIT GIKA plaster base
Gypsum plasterboards: On inflexible building boards and substrate pretreatments with HASIT GIKA PLASTER BASE plaster-paper fibre wallboards (e.g. Fermacell): On inflexible building boards and substrate pretreatments with HASIT GIKA PLASTER BASE

Surface pre-treatment

Prepare the substrate at least 24 hours before applying the top coat by treating it with undiluted, system-compatible primer using a brush or lamb's wool roller, fully and generously. Peeling and cracked old paint coatings must be removed mechanically. Strongly sandy substrates should be primed with a suitable deep primer. Irregularities in the plaster base must be properly leveled with appropriate filler compounds beforehand.

Preparation

Product ready for use. Thin with a small quantity of water, if necessary, until obtaining the desired consistency for further processing. Stir well the material in the bucket before application using a suitable (low speed) electric mixer. During processing mix the final plaster quite often in order to avoid granulation.

Application procedure

Apply continuously on adjacent surfaces fresh-in-fresh.
“Application as a dragged plaster”: Apply uniformly with a clean stainless steel trowel (prevent the formation of grooves and ridges).
Even machine coating is made with a suitable spraying device.
Structuring of troweled plaster:Achieve the desired structure using troweling tools (Styrofoam/plastic trowel).
Pay attention to structuring on time.
It is very important regularly to clean the plaster structuring tool during application!
After use, clean the tool thoroughly with water.
Do not use materials from old opened containers and do not mix with fresh materials.
Low temperature and high humidity prolong the binding time. Uneven surface absorption may cause the change in the colour tone. Excessive dilution or processing during strong wind and impact of intense sunlight may lead to creation of cracks.
In principle under adverse weather conditions, and until the facade has completely dried, the necessary protective measures should be taken (e.g. protection against rain).
Bordering building elements (windows, window and door frames, doors, etc.) need to be covered before processing in order to protect them from dirt and damage. It is recommended to use a steel trowel, rather than a plastic

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one, as it will provide a smoother surface. To prevent differences in colour or plaster edges, do not work with different tools. Fresh top coats must be protected with suitable facade protection netting from adverse weather conditions such as frost, direct sunlight, wind, rain, etc., until completely dry. Low temperatures and high humidity will prolong drying time. Facade surfaces – with or without biocides for protection against surface growth – require regular maintenance. For dark, intense shades < 25 HBW, we refer you to the SycoTec facade system. Please contact your technical advisor for this. The base coat must have a compressive strength of at least 1.5 N/mm^2. Do not use on damp substrates or on horizontal surfaces exposed to water. Due to varying weather and site conditions, no guarantee can be given for spot-free drying. Due to the use of natural raw materials, slight color tone differences are possible. Contiguous surfaces with colored plasters should only be created from a single order/delivery. For reorders, the construction site and the time of the initial order must be specified. Overlapping materials may be subject to color tone changes. Please check the color tone before application. Later complaints will not be considered. Weather conditions, UV intensity and exposure to moisture alter the surface over the course of time. Visible discoloration is possible. The conditions on the site and the properties of materials influence this discoloration. Recommendation: The color fastness of deeply intense and/or very dark colors can be improved through additional paint application. In case of incompletely dried surfaces, the additional moisture load resulting from, for example, condensation, fog/rain, can dissolve some of the substances, thus producing deposits on the surface. The visible effects differ depending on the color intensity. They do not affect the quality of the product. Effects disappear with further weathering. VOC content according to directive 2004/42/EC Cat. A/c max. 40 g/l. This product contains < 10 g/l VOC.

Hazard statements

Please, refer to the Safety Data Sheet for detailed guidance. Please, read and understand its contents before use.

Storage

Indoor storage in cold freezing-free conditions, in well-closed packages. Protect from direct sunlight. Can be stored for at least 12 months.

Certificates

Label

General information

This data sheet invalidates all previous editions. The information in this technical data sheet corresponds to our current knowledge and practical application experience. The information has been prepared carefully and conscientiously, but without guarantee for accuracy, timeliness, and completeness, and without liability for further decisions of the user. The information alone does not establish any legal relationship or other ancillary obligations. They do not absolve the customer from the obligation to independently verify the suitability of the product for the intended use. Technical values refer to the base products. Deviations from the technical specifications may occur due to tinting and coloring. The specified values are average values. For coating substrates not described here, it is necessary to consult with us. Color tones may slightly vary in repeat orders or compared to the color chart, if necessary, a sample area should be created on-site. Information on drying and waiting times applies under laboratory conditions (+20°C/65% relative humidity) and may change depending on the site situation.
All technical data listed in this product specification has been determined under laboratory conditions.