

fermacell Product Data Sheet

**fermacell HD Light Mortar****base render coat and final render finish for Powerpanel HD****Product**

fermacell HD Light Mortar is a water-repellent, mineral based light mortar for internal and external applications.

Application

The **fermacell** HD Light Mortar is one of the **fermacell** Powerpanel HD accessories. It is used as the reinforcement layer (base render) and can also be used as a finishing render.

The HD Light Mortar can be used as a reinforced render on lightweight external boards in external applications and also as a textured plaster finish in internal areas.

Properties

- Water-repellent and pressure-resistant
- High moisture diffusion capability ($\mu \leq 10$)
- Frost and weather-resistant once cured
- Machine Application
- High yield
- Low-chromate according to TRGS 613
- Specially designed for use with fermacell Powerpanel HD external wall system

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Material properties	
Packaging	Packed in bags - 20 kg
Lightweight mortar LW	According to EN 998-1
Compressive strength class	CS II, 1.5-5.0 N/mm ²
Building material class	A 2, non-combustible
Water vapour diffusion resistance coefficient μ	≤ 10
Capillary water absorption c	W 2 $\leq 0.2 \text{ kg/m}^2 \text{ min}^{0,5}$
Thermal conductivity $\lambda_{10, \text{dry}}$ (in acc. with DIN EN 12664)	0.18 W/mK
Working / Processing time	approx. 1.5 hours
Ambient Working temperature	$\geq +5 \text{ }^\circ\text{C}$ $\leq 30 \text{ }^\circ\text{C}$
Consistency	Ready to use - just add water
Usage	approx. 6 m ² per bag at a 5 mm layer thickness
Yield	1 prepared bag corresponds to approx. 30 l fresh mortar
Particle size	0 – 2 mm
Storage / Shelf Life	12 months; in dry storage
Mortar colour	Natural-white

Safety guidelines

Mortar has an alkaline reaction with humidity, therefore, protect eyes and skin. In case of contact with skin rinse thoroughly with water. In case of eye contact consult doctor immediately. Please refer to the label or the safety data sheet for further handling information pursuant to 1907/2006/EC, Article 31. Emergency number 0551-19240



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Installation / Processing

The working temperature of $+5\text{ }^{\circ}\text{C} \geq t \leq 30\text{ }^{\circ}\text{C}$ for the board surface and the ambient air must be followed before rendering.

The light mortar can be mixed with standard mixing equipment or by hand with a mixing paddle in a suitable vessel with the required amount of water (see container). The working time is approx. 1.5 h– depending on the amount of water added and the weather conditions. Occasionally stir the mortar during this working time without adding any more water.

Protect the fresh render surface from rain and premature drying due to the wind and direct sunlight.

As a reinforcing base coat layer the Light mortar is applied to the entire area in a layer thickness of 5–6 mm. The **fermacell** HD Reinforcement Mesh is then embedded into this layer.

The **fermacell** HD Light Mortar can also be used as a final coat with a smooth surface finish (Option A) or as a structural final coat finish (Option B). A list of suppliers is available from the fermacell customer services or sales office.

Option A:

Once the reinforcing base coat layer has hardened (1 day), the HD Light Mortar can then be applied and finished in a 2–3 mm layer thickness.

Option B:

After curing (typically 1 day per mm base coat render thickness) the final render coat with a max. 3 mm particle size is applied and rubbed through the reinforced base plaster.

Thick-layered renders (e.g. sgraffito) are not suitable for this type of application.

Please also observe our detailed processing instructions in our brochures and videos at www.fermacell.com

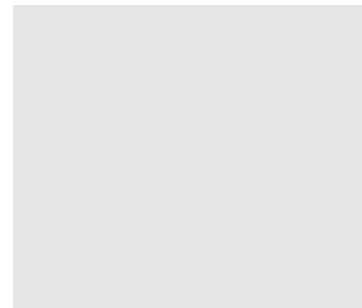


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Merchant data	
Item number	78020
EAN	40 0 7548 00286 8
Weight / bag	20 kg
Bags / pallet	35 pcs



The other components of the fermacell external wall system are:

- **fermacell** HD Joint Adhesive
- **fermacell** HD Reinforcement Mesh
- **fermacell** HD Light Mortar
- **fermacell** HD Bellcast Profile
- **fermacell** HD Expansion Profile

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General areas of application

Furthermore, **fermacell** HD Light Mortar is suitable as a:

- Universally applicable, fibre-reinforced filler and repair render or textured plaster
- Render to Textured Plaster base (substrate preparation), applicable as a flush-mounted and finishing coat
- Thin-layer filler on level substrates in internal areas, such as aerated concrete or calcium silicate layout elements
- Fabric-reinforced light filler on insulation and lightweight boards, among others
- For renovating, reinforcing and refurbishing old plastered surfaces
- Multi-layer plastering on uneven substrates with finishing coat structure
- Adhesive and fixing mortar for wall-base and perimeter insulation (grind boards beforehand)
- Two-layer wall render system

General processing information

■ Single-layer textured plaster coat

As a single-layer processed plaster, e.g. as internal plaster on masonry, the light mortar is applied in a layer thickness of approx. 5 mm, made flush and then smoothed finish within the working time.

■ Multi-layer internal textured plaster coat

With regard to plaster thickness >10 mm, e.g. wall-base plaster, the light mortar is multi-layered with approx. 1 day between layers.

■ Filler and repair mortar

The light mortar is particularly suitable as a filler and repair mortar/plaster for refurbishing old, cracked and damaged plastered surfaces. Use with an embedded reinforcement mesh.

■ In timber frame construction

The light mortar is very well suited in timber frame construction for rendering to masonry partitions, as a partition-edge and partition-end render.

Further information

Our recommendations are based on extensive testing and practical experiences. They do not replace guidelines, standards, approvals and applicable technical data sheets. Due to the large number of possible influences for processing and application, we recommend that you carry out trial areas for processing and application. No claims for compensation may be derived from the information provided. Delivery, processing and the warranty on features assured by us will be in accordance with our GTCs.

