Multipor ExSal Therm lightweight mortar (FIX X730)

Product description

Mineral lightweight mortar for bonding and reinforcing Multipor ExSal Therm boards on masonry exposed to salt, and as a felted finishing render on a reinforcing layer of Multipor ExSal Therm lightweight mortar.

Application

- Levelling mortar under Multipor ExSal Therm
- Adhesive mortar for the Multipor ExSal Therm board
- Reinforcing mortar for the Multipor ExSal Therm board
- Finishing render in felt plaster texture

Properties

- grey lightweight plaster mortar
- Easy processing and good stability
- High adhesive strength
- High yield
- Low shrinkage
- Low stress
- sulphate-resistant
- Can be applied by hand and with standard plastering machines (mixing pumps)
- Weather and frost resistant after hardening
- non-flammable

Processing

The substrate must be firm, stable, clean and dust-free. Film-forming separating layers and salt deposits on the wall must be removed.

Multipor ExSal Therm lightweight mortar can be applied both mechanically and by hand.
Pre-wet the substrate before applying Multipor ExSal Therm lightweight mortar. Mix the material by hand using a stirring paddle with the specified amount of water (approx. 7-7.5 litres per 20 kg bag) until it is lump-free and ready to use.

The Multipor ExSal Therm lightweight mortar is used for the installation

adhesive is applied to the entire back of the ExSal Therm desalination plate using a 12 mm notched trowel

and combed across the slide direction.
To reinforce the Multipor ExSal Therm boards, Multipor ExSal Therm lightweight mortar is applied to the entire surface of the insulation boards as a reinforcing plaster in an average layer thickness of 5 mm using a 10 mm or 12 mm notched trowel. Then press in the alkali-resistant Multipor reinforcement mesh and work it carefully into the upper third of the reinforcement layer. The material is applied as a finishing render to a thickness of 2 - 3 mm and quickly trowelled with a suitable tool. When used as levelling mortar underneath the ExSal Therm system, the ExSal Therm lightweight mortar can be applied in a layer thickness (per layer) of max. 20 mm.

Coating (when used as finishing render)
Once completely dry, the surface can be painted over with Multipor Interior Silicate Paint.

Particular attention should be paid to
Do not apply at air and building structure temperatures below +5°C or if night frosts are expected. The maximum application temperature must not exceed +30°C.
Clean containers and tools immediately after use. Cover and mask endangered areas (glass, ceramics, wood, metal, etc.) before use. Do not mix with other products. Do not add any other additives or binding agents.

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Storage
Dry, protected against moisture, approx. 12 months.

Forms of delivery

In paper bags	Bag/pallet
20 kg/bag	42

Safety instructions
Multipor ExSal Therm lightweight mortar reacts alkaline with moisture. Observe the health and safety regulations when working with the mixture. Wear protective gloves and goggles when handling the material. In case of contact with eyes, rinse with clean water and consult a doctor immediately. Wash skin thoroughly with soap and water after work. Observe the safety data sheet.

Waste disposal
Only dispose of empty bags (free-flowing) for recycling. Dispose of hardened material residues as building rubble or building site waste.

General information
The recommendations are based on extensive testing and practical experience. They do not replace guidelines, DIN regulations and approvals as well as applicable technical data sheets. In the case of different construction sites and practical conditions, we recommend carrying out your own tests if necessary. No claims for compensation can be derived from this information.

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Technical data	Description of the
Rules and regulations	Lightweight plaster mortar (LW) according to EN 998-1
UFI	CP02-E0JD-M00K-J96U
Compressive strength class	CS II; 1.5-5.0 N/mm2
Dry bulk density	approx. 800 kg/m3
Grain size	0 - 2 mm
Thermal conductivity	$\lambda_{10, dry, mat} \leq 0.18$ W/mK (P = 50%) $\lambda_{10, dry, mat} \leq 0.20$ W/mK (P = 90%)
Capillary water absorption	Wc0
Water vapour diffusion resistance coefficient	$5 \leq \mu \leq 20$
Building material class	A2-s1, d0, non-combustible according to DIN EN 13501-1
Processing time	approx. 1.5 hours

Consumption	
Yield per bag	with 5 mm layer thickness sufficient for approx. 5-6 m2
Water quantity per bag	approx. 7-7.5 litres
Consumption of adhesive layer (5 mm) per m²	approx. 3.5 kg/m² (with 12 mm notched trowel) approx. 5.0 kg/m² (with 15 mm notched trowel)
Consumption of reinforcement layer (5 mm) per m²	approx. 3.5 kg/m²
Consumption of finishing plaster (2 - 3 mm) per m²	approx. 2.5 kg/m²

This technical data sheet is for advisory purposes only. We reserve the right to make changes in the course of technical development. Status: 04/2024

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