

# Multipor lightweight mortar (FIX X710)

## Product description

Mineral lightweight mortar for bonding and reinforcing Multipor mineral insulation boards, and as a felted finishing render on a reinforcing layer of Multipor lightweight mortar.

## Application

- Levelling mortar under Multipor insulation systems
- Adhesive mortar for the Multipor mineral insulation board
- Fabric-reinforced lightweight filler on insulating and lightweight boards and similar substrates
- Top coat in felt plaster structure
- Universally applicable fibre-reinforced filler and repair plaster and plaster base
- Thin-layer filler plaster on flat substrates indoors, e.g. aerated concrete or KS panels.
- Top coat on Multipor base insulation system

## Properties

- natural white light mortar
- Easy processing and good stability, feltable
- High adhesive strength
- high yield
- low bulk density
- water-repellent
- diffusible
- machine-compatible
- Weather and frost resistant after hardening
- Non combustible

## Quality

Binder according to DIN EN 197 Cement and DIN 1060 Building Lime. Grain graded grading curve, DIN 4226 up to 2 mm. Low chromate content according to TRGS 613. Third-party and self-monitoring according to DIN 18557.

## Processing

The substrate must be solid, load-bearing, clean and dust-free. Film-forming separating layers must be removed. Multipor Leichtmörtel can be applied by machine or by hand. Mix the material by hand with the stirrer using a quantity of water (approx. 7.5 - 8 l per 20 kg sack) to ensure that it is lump-free and suitable for processing. For bonding, the Multipor Lightweight Mortar is applied with a 12 mm or 15 mm toothed trowel (depending on the insulation thickness) over the entire surface on the back of the Multipor Mineral Insulation Board and combed through transversely to the sliding direction. For the reinforcement of the Multipor Mineral Insulation Boards, the Multipor Lightweight Mortar is applied as a reinforcement plaster over the entire surface in an average layer thickness of 5 mm and with the help of a 10 mm or 12 mm notched trowel on the insulation board surface. Then press in the alkali-resistant Multipor reinforcing fabric and carefully work it into the upper third of the reinforcing layer. As a finishing plaster, the material is applied in a thickness of 2 - 3 mm and felted promptly with suitable tools.

## Coating (when used as finishing plaster)

After complete drying, the surface can be painted with Multipor Interior Silicate Paint.

## Particular attention should be paid to

Do not apply if the air and building temperatures are below +5°C or if night frost is expected. The maximum working temperature must not exceed +30°C.

Clean vessels and tools immediately after use. Cover and tape off 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.

## Delivery forms

In paper bags	Bag/Pallet
20 kg/bag	40

## Safety instructions

Multipor Leichtmörtel reacts alkaline with moisture.

When working with the mixture, comply with the regulations for occupational health and safety. Wear protective gloves and goggles when handling the material. In case of contact with eyes, rinse them with clean water and consult a doctor immediately. Wash skin thoroughly with soap and water after work. Observe the safety data sheet.

## Disposal

Only empty bags (free-flowing) should be recycled. Dispose of hardened material residues as building rubble or construction site waste.

## General notes

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 the information provided.

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Technical data	Description
Rulebook	Lightweight plaster mortar (LW) according to EN 998-1
Compressive strength class	CS II; 1.5-5.0 N/mm <sup>2</sup>
Dry bulk density	≤ 800 kg/m <sup>3</sup>
Grain size	0 - 2 mm
Thermal conductivity	$\lambda_{10, \text{dry, mat}} \leq 0.18 \text{ W/mK (P = 50\%)}$ $\lambda_{10, \text{dry, mat}} \leq 0.20 \text{ W/mK (P = 90\%)}$
Capillary water absorption	Wc2
Water vapour diffusion resistance number	$\mu \leq 10$
Building material class	A2-s1, d0, non-combustible according to DIN EN 13501-1
Processing time	approx. 1.5 hours

Consumptions	
Yield per bag	at 5 mm layer thickness sufficient for approx. 6 m <sup>2</sup>
Water quantity per bag	approx. 7.5-8.0 l
Consumption of bonding layer (5 mm) per m <sup>2</sup>	approx. 3.5 kg/m <sup>2</sup> (with 12 mm notched trowel)
Consumption reinforcement layer (5 mm) per m <sup>2</sup>	approx. 3.5 kg/m <sup>2</sup>
Consumption of finishing plaster (2 - 3 mm) per m <sup>2</sup>	approx. 2.5 kg/m <sup>2</sup>

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