



TECHNICAL DATA SHEET

KEIM XPOR[®]-LEICHTMÖRTEL

1. PRODUCT DESCRIPTION

Hydraulic binding light-weight mortar acc. to EN 998-1.

2. FIELD OF APPLICATION

KEIM XPor-Leichtmörtel is used to bond and reinforce the Multipor mineral insulation panels and as topcoat render for KEIM ETIC-XPor system acc. to Z-33.43-857.

3. PRODUCT PROPERTIES

- Combustion behavior: A2
- Compressive strength: 1.5 – 5.0 N/mm², CSII
- Water vapour permeability: W2 acc. EN 998-1
- Tensile bond strength: $\geq 0,08 \text{ N/mm}^2$
acc. DIN EN 1015-12
- Thermal conductivity (Tabular value):
 - $\lambda_{10, \text{dry,mat}}$: $\leq 0,18 \text{ W/(mK)}$ for P = 50%
 - $\lambda_{10, \text{dry,mat}}$: $\leq 0,20 \text{ W/(mK)}$ for P = 90%

Colour shade:

natural white

High adhesive power, application by machine, can be felt-floated, weather-resistant, water-repellent, and open to diffusion.

4. APPLICATION INSTRUCTIONS

Substrate preparation:

The substrate must be solid, sound, free from dust and grease. The durable compatibility of existing coatings with the adhesive mortar has to be checked with reasonable care.

Mixing ratio:

Mix a 20 kg bag of KEIM XPor-Leichtmörtel with approx. 7.5 – 8.0 l water until lump-free. Restir after a short maturing time. Working time: approx. 1.5 hour at 20 °C, 60% relative atmospheric humidity.

Application:

By stainless trowel or steel trowel.

Insulation panels bonding:

Apply the prepared XPor-Leichtmörtel full cover with a notched trowel (size 10) or with the bead-point method to the Multipor insulation panels, so that a bonding area of 70% is guaranteed. Keep the joints free from the adhesive mortar. Apply the insulation boards in an offset pattern so as not to create any cross joints from bottom to top.

Reinforcing:

Apply the prepared XPor-Leichtmörtel, onto the adhered KEIM Multipor insulation panels to an area corresponding to the width of the KEIM Glasfaser Gittermatte (glass fibre mesh). Embed the KEIM Glasfaser-Gittermatte into the XPor-Leichtmörtel. The edges must overlap by 10 cm with a wet-on-wet application of the XPor-Leichtmörtel. The fabric must be embedded in the upper one third of the reinforcing layer. Thickness of the reinforcing layer: approx. 5.0 mm.

Topcoat render:

Apply prepared XPor-Leichtmörtel with a layer thickness of 2-3 mm and felt-float in time. Always work wet-on-wet keeping a wet edge.

Coating:

XPOR-Leichtmörtel needs the following finish:

Base coat with KEIM Soldalit-Grob and top coat with KEIM Soldalit. A setting time of 3 days has to be observed before painting.

Application conditions:

Air and surface temperature: > 5 °C during application and drying. Do not apply under direct sun, during rain or strong winds. Protect fresh render from drying too fast by appropriate means.

Consumption:

- 3-4 kg per m² to glue the Multipor mineral insulation panels.
- 3-4 kg per m² to embed glass fibre mesh.
- Approx. 2.5 kg per m² as topcoat render.

Cleaning of tools:

Clean with water immediately after use.

Note:

Stiffened KEIM XPor - Leichtmörtel must not be diluted with water or mixed with fresh mortar.



5. PACKAGING

20 kg bag

6. STORAGE

Dry on pallet, protect from moisture.
12 months, in originally closed packaging.

7. DISPOSAL

EC Waste Code No. 17 01 01
Solidify residual material with water and dispose of after hardening as rubble.

8. SAFETY INSTRUCTIONS

Giscode: ZP 1

Provide appropriate protection for surfaces which are not to be treated (e.g. glass, natural stone, ceramics etc.). Protect the eyes and skin from splashes. Keep out of reach of children.

Please refer to EC Safety Data Sheet.

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.



KEIMFARBEN GMBH

Keimstraße 16 / 86420 Diedorf / Tel. +49 (0)821 4802-0 / Fax +49 (0)821 4802-210
Frederik-Ipsen-Straße 6 / 15926 Luckau / Tel. +49 (0)35456 676-0 / Fax +49 (0)35456 676-38
www.keim.com/info@keimfarben.de