1. PRODUCT DESCRIPTION

Hydraulically setting, powdery cement adhesive

2. FIELD OF APPLICATION

Adhesive and reinforcing compound for KEIM exterior thermal insulation composite systems. System approvals see Z-33.4.1-45, Z-33.43-185, Z-33.44-188, Z-33.47-727 and Z-33.49-1183. Approved according to Z-33.47-660 to be used within the Klassik- and Klassik-Plus-System on GUTEX wood soft fibre insulation panels.

3. PRODUCT PROPERTIES

Extremely easy application, hydrophobically adjusted
Binding agent basis: Cement, plastic-modified

4. APPLICATION INSTRUCTIONS

Substrate preparation:
The substrate must be firm, dry, clean, and free of grease and dust. The permanent compatibility of possibly existing coatings with the adhesive mortar must be professionally tested.

Mixing ratio:
Mix a 25 kg bag of KEIM Pulverkleber-90 with approx. 5-6 litres of water avoiding clots, allow to swell for approx. 10 minutes and stir again.
Processing time: approx. 1 hour at 20°C, 60% rel. humidity.

Application method:
With a rust-free trowel or toothed trowel

Panel gluing:
Apply the mixed Pulverkleber-90 to the insulating panels using the bead-point method, so that gluing of at least 40% is guaranteed. MW lamellae are glued over the full surface. Do not apply adhesive into the panel joints. Glue the panels closely joined in groups from bottom to top.

Reinforcement layer:
Apply KEIM Pulverkleber-90 evenly to the glued insulating panels, insert KEIM Glasfaser-Gittermatte, overlap the joints by 10 cm and plaster over wet-on-wet with KEIM Pulverkleber-90. The glass fibre wire mesh should be embedded in the middle or in the upper third. Thickness of the reinforcement layer 3 - 5 mm

Machine processing:
KEIM Pulverkleber-90 can also be mixed with a continuous mixer. The quantity of water must be adjusted to the processing consistency. Prior to manual application of KEIM Pulverkleber-90 after a brief maturing time of a few minutes, stir briefly with the powered blunger. Mortar pumps with a variable flow rate are suitable for the mechanical application of the mixed powdered adhesive. (e.g. Speedy P 15) The maximum conveying length should be less than 40 m.
KEIM Pulverkleber-90 can also be mixed and processed with mixing pumps (e.g. G4). Screw pumps with an application quantity adapted to the flow rate are to be used. Therefor the maximum conveying height should be less than 10 m and the maximum conveying length less than 30 m. Elsewise a combination of a continuous mixer and a separate mortar pump (e.g. D10 with Speedy P15) should be preferred.
A diameter of the conveying tube of more than 35mm is recommended if the conveying height is more than 6 m.

Application conditions:
Ambient and substrate temperature must not fall below + 5°C during the application and drying phase. Do not apply in direct sunlight or onto sun-heated substrates. Protect surfaces from wind and rain during and after application.

Drying time:
At least 3 days depending on the temperature and the relative humidity.

Consumption:
Approx. 4 - 5 kg /m² to glue the panels
Approx. 4 - 5 kg /m² to embed the KEIM Glasfaser-Gittermatte. To compensate slight height differences by means of KEIM Pulverkleber-90, the consumption increases accordingly.

Cleaning of tools:
Clean with water immediately after use.

Special note:
Partly set KEIM Pulverkleber-90 may not be diluted with water not mixed with fresh mortar.

5. PACKAGING

25 kg bag
Silo on request
6. STORAGE

Shelf life is approx. 12 months if kept dry and cool in originally closed container. Protect from moisture.

7. DISPOSAL

EC Waste Code No. 17 01 01.

8. SAFETY INSTRUCTIONS

Giscode: ZP 1

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

Please refer to EC Safety Data Sheet.

9. CERTIFICATES & QUALITY SEALS

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.