

Cement Based Plasters and Bonding Mortars / Cement Based Plasters

PERFIX®

Insulation Plaster with Perlite (White)

DESCRIPTION

White cement based insulation plaster with **perlite** and developed with **thermal** and **sound** insulation properties, made with special particle-sized fillers and performance increasing chemicals.

APPLICATION AREAS

- Indoor and outdoor,
- Ceilings and vertical surfaces,
- Surfaces such as coarse plaster, gas concrete, brick, pumice and briquette,
- Plastering the load bearing system components such as columns, beams, shear walls.

TECHNICAL PROPERTIES

Appearance	White colored powder
Powder Density	~ 1.30 kg/L
Water Mixing Ratio	8.5 – 9.5 L water / 35 kg powder
Resting Period	5 – 10 minutes
Pot Life	1.5 – 2 hours
Application Temperature	Between +5°C and +35°C
Application Thickness	Minimum 1 cm, Maximum 3 cm
Reaction to Fire	A1 (EN 13501-1)
Capillary Water Absorption	W1; $C \leq 0.40 \text{ kg}/(\text{m}^2 \cdot \text{min}^{0.5})$ (EN 1015-18)
Water Vapor Perm. Coef. (μ)	≤ 25 (EN 1015-19)
Heat Conductivity Coef. (λ)	0.26 W/mK
Complete Drying Time	12 – 24 hours
Service Temperature	Between -20°C and +80°C

ADVANTAGES

- Integrates with the surface easily since it is cement based.
- Preferred to gypsum because of its high resistance to cracking, especially on surfaces such as gas concrete.
- Can be used on ceilings and vertical surfaces since it displays thixotropic behavior.
- Supports sound and thermal insulation due to its perlite content.
- Its light weight reduces the dead load of the structure.
- Can be used on exposed concrete before gypsum in order to protect the reinforcement against corrosion.
- Recommended for imperfect surfaces on which plaster application is required.
- Provides high adherence.
- Water vapor permeable, allows the surface to breathe.
- Fire resistant.

CONSUMPTION

13 kg/m² (for 1 cm thickness) (Varies depending on the application surface.)

PACKAGING

35 kg kraft bags

APPLICATION**PREPARATION OF THE SURFACE**

- The surface must be cured and sound
- The surface must be clear of materials which prevent bonding such as dust, oil, tar, pitch, paint, silicone, curing material, detergent and mold oils, etc.
- Repair cracks and holes on the surface with **REPAIRFIX 5** or **REPAIRFIX 30 Repair Mortars** depending on the depth of the crack.
- Wet the surface and keep it moist. Moisten highly absorbent surfaces, such as aerated concrete more thoroughly. If necessary, prime the surface with **FIRSTLEVEL Multi-Purpose Primer** or **BETOPRIMER for Exposed Concrete Surfaces** before the application of PERFIX.

PREPARATION OF THE MORTAR

- Add 35 kg of PERFIX Insulation Plaster with Perlite (White) into approximately 8.5 – 9.5 liters of clean water and mix with a low-speed mixer until there are no lumps.
- Let the mortar rest for 5 – 10 minutes to mature and mix again for 1 – 2 minutes before use.
- Consume the mortar in the container within 1.5 – 2 hours.

APPLICATION

- Place the slabs selected according to the application thickness in such a way that they do not exceed the gauge length and fill the gaps vertically.
- Apply the product to the surface in layers with a steel trowel and gauge by spreading over the entire surface in equal thickness. Polish the surface with a trowel before the mortar dries.
- Apply up to a minimum thickness of 1 cm and a maximum of 3 cm.
- Use plaster mesh to prevent cracking at the joints of different materials such as concrete and brick. Use interior and exterior plaster profiles in the centers.
- In very hot weather and on surfaces exposed to direct sun, moisten the surface for 24 hours after the application.
- For a smoother surface, plaster PERFIX with **FIXA Cement Based Thin Satin Putty (White)**.

CAUTION

- Avoid application at temperatures below +5°C and above +35°C.
- If possible, apply without interruption, if not, divide the surface into areas of approximately 20 m² and apply separately.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours, or in areas open to direct sun and wind. If snowfall or severe cold is expected within about 1 week after the application, cancel the application or take the protection measures.
- Do not add powder and water to the expired mortar.

SHELF LIFE

Expires in 12 months. Store unopened packages in dry environments, stack maximum 8 on a pallet.



Technical Data Sheet (TDS)

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HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Construction Chemicals Ltd. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.