



# perliteX

## Thermal Insulation Plaster

### Product Description

**Perlitex Thermal Insulation Plaster** is a specially developed, lightweight, cement-based, ready-mix dry plaster designed to improve the thermal insulation of buildings. It is suitable for both interior and exterior applications. It allows the structure to breathe, preventing moisture-related damage and mold formation. Thanks to its low density, it is easy to apply and resistant to cracking. It is also fire-resistant, flexible, and long-lasting.

#### Technical Properties

Dry Density:  $370 \pm \text{kg/m}^3$

Compressive Strength:  $1,3 \text{ N/mm}^2$

Bond Strength:  $0,1 \text{ N/mm}^2$

Capillary Water Absorption:  $2,05 \text{ kg/m}^2 \text{ min}^{0,5}$

Water Vapor Permeability:  $3,13 \mu$

Thermal Conductivity:  $0,093 \text{ W/mK}$

Reaction to Fire: A1

Standards: TS EN 998-1

#### Application Instructions

Add 9 kg of product to 13.5 liters of clean water and mix until homogeneous using a low-speed mixer, by hand, or with a plastering machine. Let the mixture rest for 3–5 minutes, then remix before application.

Use within 100–120 minutes.

Application temperature:  $+5 \text{ }^\circ\text{C}$  to  $+35 \text{ }^\circ\text{C}$ .

Maximum thickness per layer: 20 mm.

Recommended minimum total thickness: 40 mm.

Apply using a steel trowel or plastering machine.

### Standards and Certifications

Manufactured under independent quality systems in compliance with TS EN 998-1 and certified with ISO 9001:2015, ISO 14001, and ISO 45001.





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### Product Features

Consumption	Thermal Conductivity W/mk	Drying Time	Water Mixing Ratio	Pallet Capacity
3.5 kg / m <sup>2</sup> at 1 cm thickness	0.093	48 hours	13,5 liters	40-50 bags

### Areas of Use

This product can be applied on concrete, aerated concrete/gas blocks, pumice blocks, bricks, and rough plastered surfaces. It is also compatible with gypsum and cement-based boards. Suitable for both interior and exterior wall applications.

### Storage Conditions

Perlitex Thermal Insulation Plaster should be stored in its original packaging, on pallets, in a dry, cool, and moisture-free environment. It must be protected from direct sunlight and frost. When stored under proper conditions, the shelf life is 12 months.

### Safety Information

Avoid contact with skin and eyes. It is recommended to use protective gloves, goggles, and a mask during application. In case of eye contact, rinse immediately with plenty of water. For more detailed information, refer to the Safety Data Sheet (MSDS).

### Professional Recommendation

Perlitex Thermal Insulation Plaster should not be used as a standalone interior or exterior coating. After application, reinforcement mesh should be applied over Perlitex Acoustic Plaster, followed by finishing with Perlitex Satin Putty. This system minimizes the risk of hairline cracks, especially in filling areas and at the junction points of different surfaces such as block and concrete. It provides a smooth, high-quality, moisture-resistant surface and creates an ideal base for paint or wallpaper applications.

For detailed information, please refer to the Perlitex Satin Putty technical data sheet.

