

EKOKAT PERTHERM PLUS - EX

Thermally Insulated Exterior Wall Plaster



DESCRIPTION

The product is a cement-based, perlite-containing plaster mortar that can be applied manually or by means of a machine to provide sound and heat insulation.

TECHNICAL SPECIFITATION

Color	White
Dry Unit Bulk Weight	400 ± 50 kg/m ³
Pressure Strength	CSII
Bending Strength	> 0,5 Mpa
Bond Strength	≥ 0,2 N/mm ²
Thermal Conductance	T1
Capillary Water Absorption	W1
Water Vapor Permeability	≤ 15
Fire Reaction Class	A1
Mixing Process	5 minutes of mixing – 3 minutes of resting - 2 minutes of mixing
Time for Usability	2 hours
Time for Processing	20 minutes
Drying Time	4-6 days
Application Thickness	10 mm - 30 mm
Time Required to be Waited For Application on It	Min. 2 days (This period might extend depending upon weather conditions).

* The above values are valid for + 23oC and 50% relative humidity. The time is shortened at high temperatures and extended at low temperatures.

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AREAS OF USE

It is used as insulation plaster on interior and exterior wall surfaces such as brick, concrete, briquette, gas concrete, and etc. It contributes to the sound and heat insulation on the applied surfaces.

BENEFITS

- High thermal insulation (T1) and sound insulation
- A1 class incombustibility
- 2-3 times lighter than conventional plasters
- Lightness helps the building's earthquake resistance
- Practical and fast application
- Suitable for hand and machine applications

INSTRUCTION FOR USE

The application surface must be clean, free from powder and grease, be sound strong and moist. Before application, the surface must be absolutely humidified and it must be saturated with water under very hot and windy weather conditions. Cracks and holes must be completely repaired prior to application. The surface must be smooth. Glossy surfaces such as gross concrete, and surfaces with high water absorbency should be primed with EKOKAT EKOASTAR at least 24 hours before application.

A bag of 13 kg EKOKAT Insulated Interior Wall Plaster should be mixed with an average of 9-10,5 liters of water in a plastering machine, and the mortar so prepared must be applied by spraying. Taking into consideration the water ratios specified, the entire amount of water should not be poured at once and should be adjusted based on the consistency of the mortar. In manual applications, the mixture must be prepared using a low revolving mixer in accordance with the mixing times specified, and applied to the surface with a steel trowel. The application thickness should be between 10 mm and 20 mm in a single coat. The second coat should be applied with a maximum thickness of 30 mm after hardening of the first coat (e.g. at least 2 days later). It may be glazed optionally when hardened. Depending on climatic conditions, starting one day after application, the surface will be watered in the shade twice in the morning and evening for at least 3 days.

No foreign materials should be added to the mortar, and each bag should be used as a whole. Attention should be paid to the water ratios specified. It should not be used by mixing it with products with expired shelf life. A plaster mesh should be used at joints of different materials and at points where the presence of traffic is possible. After application, all tools should be washed with water before they dry. These values are valid for a surface and ambient temperature of 20°C. The time is shortened at high temperatures and extended at low temperatures. The application requirements specified in the Technical Data Sheet should be observed. Otherwise the final performance of the product may be affected from the application methods and the ambient conditions. Do not apply at temperatures above + 35 ° C or below + 5 ° C. Application should be avoided under very humid and / or very hot weather conditions. Also avoid from application under strong wind or direct sunlight. It should not be applied on frozen, melted surfaces, or surfaces with frost hazard within 24 hours.

PACKAGING

13 kg craft bags on shrink palettes.

CONSUMPTION

4 - 4.5 kg / m² for 1 cm plaster thickness

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APPLICATION TOOLS

Plastering machine, low revolving mixer, jig, steel trowel.

APPLICATION RESTRICTIONS

It should not be applied directly on metal, wooden, or wooden-top surfaces. Do not apply it on plaster surfaces. It is not applied onto surfaces with old paints; ready for use color plasters, onto sidings, onto surfaces with unsound old plaster, onto surfaces that might be exposed to humidity at all times, or onto surfaces containing asbestos, cement, or insulation sheets.

STORE CONDITIONS AND SHELF LIFE

It should be stored in its unopened original packaging, in a cool and dry environment. Avoid from exposure to direct sunlight. Shelf life is one year from date of production.

SAFETY MEASURES

Work clothes, protective gloves, goggles and masks suitable for workers health and safety should be used during the application. Due to irritant effects of uncured material, it should be washed with plenty of water and soap immediately in case of contact with skin and eyes. If swallowed, seek medical advice immediately. No food and drink should be brought into application areas. Store it out of reach of children. Please refer to the safety data sheet for further information.

S22: Do not breathe dust.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S29: Do not empty into drains.

S24/25: Avoid eye and skin contact.

S37/39: Wear suitable protective clothing, gloves and eye/face protection.

S46: If swallowed, seek medical advice immediately and show this container or label

Risk Phrases

R7/8: Irritates the respiratory tract and skin.

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

RESPONSIBILITY

Our Company may not be held liable for any application errors that might be suffered if the product is not used for its intended purposes, or if it is failed to conform to the conditions and proposals specified above regarding technical application. This technical data sheet contains information that is current as of the date of issuance hereof. The manufacturer hereby reserves its right to change this data sheet at any time.

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