

Cement Based Thermal Insulation Board Plaster Mortar

PRODUCT DESCRIPTION

It is a fiber-added, cement-based, powder polymer-modified general-purpose surface plaster mortar that provides excellent adherence to thermal insulation boards (XPS, EPS, Rock Wool, etc.) .

FEATURES

It is easy to apply, creates a smooth surface. It has high adhesion strength. It is a breathable product. At the end of the setting period, it is not affected by temperature differences and frost.

It is used as a system component in BARS PROTHERM Exterior Thermal Insulation System.

PRODUCT INFORMATION

Chemical Structure Cement Based
Appearance / Color Powder / Cement gray

PERFORMANCE

(23°C, 50% Relative Humidity)

Dry Bulk Density	1350 ± 200 kg/m ³	TS EN 1015-10
Compressive Strength 28 days	4,0 N/mm ² CS IV	TS EN 1015-11
Adhesion Strength to Substrate: 28 days	0,5 N/mm ²	TS EN 1015-12
Capillary Capillary Water Absorption	<0,5 gr W1	TS EN 1015-18
Water Vapor Permeability Coefficient	<15	TS EN 1015-19
Thermal Conductivity Value Table A12:	<0,54	TS EN 1745:2002

These values were obtained as a result of laboratory experiments carried out in our company and are valid for the performance of finished applications at the end of the full drying period. The values may change as the temperature and humidity values in the construction site environment and the application surfaces and areas will vary.

USAGE AREAS

It is used for plastering XPS (extruded polystyrene), EPS (expanded polystyrene), polyurethane, rock wool and similar sheets on exterior facades, walls, ceilings and floors.
On interior and exterior facades; It can be used easily on surfaces such as brick, cement-based plaster, aerated concrete, etc..

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APPLICATION INSTRUCTIONS

Thermal Insulation board must be solid, well adhered to the underlying surface, clean and dry. The gaps between the boards should be filled with the same insulation material or foam according to the width.

Slowly pour 25 kg of PROTHERM SV onto 5.5-6.5 liters of water and mix with a low-speed mixer until no lumps remain. The mortar is left to rest for 5-6 minutes to mature. It is mixed again before application.

Application Equipment

Hand mixer - Trowel - Steel trowel - Notched trowel

Thermal insulation boards glued with PROTHERM YP and fixed with suitable dowels are coated with PROTHERM SV. The first layer of plaster is notched with a notched trowel with 4x4 mm tooth thickness. Before the plaster mortar dries, the reinforcement mesh is laid on the surface with the help of a steel trowel. Approximately 10 cm of mesh overlap is made at the joints of the mesh. After the mesh is embedded, a second layer of plaster is applied using a flat trowel. Correction is done with a steel trowel. Higher layer thicknesses can be selected where necessary. The prepared mortar should be consumed within 3 hours, and expired mortar should be disposed of. After waiting for full drying time, the surfaces are primed with PROTHERM PRIMER and the decorative coating process is started with PROTHERM or PROTHERM LINE .

LIMITATIONS

To obtain optimum quality, please adhere to the application instructions. Application should be made between +5 C and +30 C. Application should not be made in hot, rainy and windy weather. Application should not be made on surfaces that are at risk of frost. The product should be protected from rain, water, frost and negative external factors until it is cured.

CONSUMPTION

5 -6 kg/m²

PACKAGING

In a 25 kg kraft bag, (64 pieces on a pallet, 1600 kg)

SHELF LIFE

It is 1 year from the date of production in its original packaging in a moisture-free, dry and cool environment (temperature between +5 C and +25 C). The mouth of the containers should be tightly closed when not in use. It should be kept away from moisture.



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SAFETY

Since it is cement based, do not breathe the dust and do not contact it with skin or eyes. Use mask. Use protective gloves, glasses and clothing. In case of eye contact, consult a doctor immediately. Keep out of reach of children. In case of skin contact, wash with plenty of water and soap. Do not swallow. For detailed information and recommendations, please refer to the Safety Data Sheet.

LEGAL NOTES

Our technical data sheet is DEKOSTAR LTD., which has a wide range of usage areas. ŞTİ. It has been prepared to give general information about the products and to show the technical features of the products. It is a recommendation and this information is about the correct application, ground, air, equipment, etc. It is valid under the conditions and when the products are stored under the recommended conditions.

DEKOSTAR LTD. ŞTİ. Since it cannot control the conditions under which its products are used, it does not accept any responsibility for the application result and does not guarantee it. The user of the product must test the suitability of the product before using it.

DEKOSTAR San. will be liable for application errors that may occur if the product is used for purposes other than its intended purpose or if the application conditions and recommendations stated above are not followed. and Tic. Ltd. Ltd. is not responsible and has the right to change the features of its products without notice. Users should always refer to the latest edition of the Product Technical Data Sheet for the relevant product.



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