



# PROTHERM YP 930

**Cement Based Thermal Insulation  
Board Adhesive Mortar**

## **PRODUCT DESCRIPTION:**

It is a cement based, powder polymer modified adhesive mortar for thermal insulation boards (XPS, EPS, Rock Wool etc.) with high bonding strength, providing ease of application.

## **FEATURES:**

It is resistant to water, moisture and impacts.

The suitability of setting time provides ease of application.

It is suitable for indoor and outdoor use.

It is an ideal adhesive with high adherence.

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

## **PRODUCT INFORMATION:**

Chemical Base Cement-based

Appearance / Color Powder / Cement gray

## **PERFORMANCE:**

(23°C, 50% RH)

Hollow Unit Volume Mass of Fresh Mortar	1350 ± 200 kg/m <sup>3</sup> TS EN 1015-6
Grain Size Distribution	
Amount remaining on the sieve with 1 mm opening	≤ 1.0% TS EN 1015-1
Compressive Strength 28 days	≥ 6.0 N/mm <sup>2</sup> TS EN 1015-11
Flexural Strength 28 days	≥ 2.0 N/mm <sup>2</sup> TS EN 1015-11
Adhesion Strength to Substrate 28 days	≥ 0.5 N/mm <sup>2</sup> TS EN 1015-12
Adhesion Strength to Thermal Insulation Board 28 days	≥ 0.08 N/mm <sup>2</sup> TS EN 13494
Water Absorption: (after 30 minutes)	≤ 5 gr TS EN 12808
Water Absorption: (After 240 minutes)	≤ 10 gr TS EN 12808

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



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## **USAGE AREAS:**

It is used for bonding XPS (extruded polystyrene), EPS (expanded polystyrene), polyurethane, rock wool and similar sheets to exterior walls, ceilings and floors.

On interior and exterior facades; It can be easily used on mineral surfaces such as brick, cement-based plaster, gas concrete etc.

## **APPLICATION INSTRUCTIONS:**

Surface; It should be cured, dry and sound. It must be cleaned of residues such as oil, grease, dirt, paint, salt vomit that will prevent adhesion. The surface must be rough. If there are significant defects on the application surface, they should be repaired with PROREPAIR THIN or PROREPAIR, PROREPAIR PLUS at least 24 hours in advance.

Slowly pour 25 kg of PROTHERM YP onto 5 - 6 liters of water and mix with a low-speed mixer until no lumps remain. Let the mortar rest for 5-10 minutes to mature. It is mixed again before starting the application.

## **Application Equipment:**

Hand Mixer  
Trowel  
Steel Trowel  
Notched Trowel

## **Application:**

If the application will be made pointwise;

It is applied as a 5 cm wide strip in the form of a frame around the thermal insulation board. Then, 2-3 pieces of 8-10 cm diameter heaps are applied in the middle of the panel as points.

If the application will be made superficially;

Spread the mortar over the entire surface of the insulation board with an 8 mm square toothed notched trowel.

The panel is attached to the wall by pressing. During the bonding process, it is checked with a gauge or spirit level whether the boards are at the same level. The prepared mortar should be consumed within 3 hours, the expired mortar should be disposed of.

Depending on the ambient temperature and surface properties, PROTHERM SD mechanical anchoring is done after at least 24 hours.



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## **LIMITATIONS:**

Please obey to the application instructions to obtain optimum quality. The application should be done between +5 C and +30 C. Application should not be made in hot, rainy and windy weather. Application should not be made on surfaces with frost risk. Until the product cures, it should be protected from rain, water, frost and negative external factors.

## **CONSUMPTION:**

4-6 kg/m<sup>2</sup>.

## **PACKAGING:**

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

## **SHELF LIFE:**

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

## **STORAGE CONDITIONS:**

It should be stored in its unopened original package, in a moisture-free, dry and cool (temperature between +5 C and +25 C) environment. It should not be left under direct sunlight.

## **SECURITY:**

Since it is cement based, do not breathe the dust, do not contact the skin and eyes. Use mask. Use protective gloves, goggles and clothing. In case of eye contact, seek medical advice 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.

*DEKOSTAR San.ve Tic.Ltd. Şti. is not responsible for any application errors that may occur if the product is used for purposes other than its intended use or if the above-mentioned application conditions and recommendations are not followed. Dekostar reserves the right to change its products. Users should consider the latest edition of the Technical Data Sheet of the relevant product.*