



# *PROTHERM SV*

## *940*

*Cement Based Thermal Insulation Board  
Plaster Mortar*

### **PRODUCT DESCRIPTION:**

It is a cement based, powder polymer modified general purpose surface plaster mortar with fiber additives, providing excellent adherence for thermal insulation boards (XPS, EPS, Rock Wool etc.).

### **ADVANTAGES:**

It is easy to apply, creates a smooth surface.

It has high holding power.

It is a breathable product.

It is not affected by temperature differences and frost at the end of the setting period.

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)

Dry Bulk Density	1350 ± 200 kg/m <sup>3</sup> TS EN 1015-10
Compressive Strength 28 days	≥ 4.0 N/mm <sup>2</sup> CS IV TS EN 1015-11
Adhesion Strength to Substrate 28 days	≥ 0.5 N/mm <sup>2</sup> TS EN 1015-12
Capillary Water Absorption	<0.5 gr W1 TS EN 1015-18
Water Vapor Permeability Coefficient	<15 TS EN 1015-19
Thermal Conductivity Value Chart Chart A12	: <0.54 TS EN 1745:2002

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.

### **USAGE AREAS:**

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



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### **APPLICATION INSTRUCTIONS:**

The Heat 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 5.5-6.5lt 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

Thermal insulation boards, which are glued with PROTHERM YP and fixed with appropriate dowels, are covered with PROTHERM SV. The first layer of plaster is combed with a notched trowel with a tooth thickness of 4x4 mm. Before the plaster mortar dries, the reinforcement mesh is laid on the surface with the help of a steel trowel. At the joints of the net, approximately 10 cm of net overlap is made. After the net is embedded, a second layer of plaster is applied by using a flat trowel. Smoothing is done with a steel trowel. Higher layer thicknesses can be selected where necessary. The prepared mortar should be consumed within 3 hours, the expired mortar should be disposed of. After waiting for the full drying time, the surfaces are primed with PROTHERM PRIMER and decorative coating is started with PROTHERM DS-1 or PROTHERM DS-2.

### **LIMITATIONS:**

Please adhere 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. The product should be protected from rain, water, frost and adverse external factors until it cures (28 days).

### **CONSUMPTION:**

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



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### **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.*