

Carbon Reinforced Thermal Insulation Board

PRODUCT DESCRIPTION

It is a graphite expanded polystyrene (EPS) thermal insulation plate that provides many extra features in thermal insulation.

FEATURES

It is completely graphite.

It allows buildings to breathe thanks to its low vapor permeability resistance (20-40).

It prevents moisture, dampness and paint flaking on interior walls.

Flame retardancy is ensured thanks to the additives it contains that provide ignition resistance.

Provides maximum insulation in minimum thickness.

It does not contain gases such as CFC-HCFC-HFC, which are harmful to the ozone layer.

As a result of lowering the thermal conductivity value, thermal insulation efficiency has increased.

Since 98% of the material is air, the material is light and does not impose large additional loads on the structures.

PRODUCT INFORMATION

Chemical structure	Carbon reinforced EPS
Appearance/Color	Sheet / Gray
Length:	1.000 mm
Width:	500 mm
Thickness:	20, 30, 40, 50 ,60,80,100,120,140,150,200mm

PERFORMANCE

(23°C, 50% Relative Humidity)

fire class : E

Dimension Tolerance Classes :

Length : L2

Width : W1

Thickness : T1

Off-Square : S1

Surface Smoothness : P3

Thermal Conductivity Coefficient : 0,032 W/m.K

Bending Strength : BS 100

%10 Compressive Stress in Deformation: CS(10)70

Lab. Dimensional Stability Under Conditions: DS(N)5

These values were obtained as a result of laboratory experiments 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.

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USAGE AREAS

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

APPLICATION INSTRUCTIONS

Surface; It must be cured, dry and sound. It should be cleaned of residues such as oil, grease, dirt, paint and salt vomit that would prevent adhesion. The surface should be rough.

During PROTHERM YP application, it is adhered to the surface by applying pressure to zero point or superficially. During the adhesion process, it is checked with a gauge or spirit level whether the sheets are at the same level. Depending on the ambient temperature and surface properties, mechanical doweling is done after at least 24 hours .

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 at risk of frost. The product should be protected from rain, water, frost and negative external factors until it is cured.

PACKAGING

2 cm 25 piece

3 cm 16 piece

4 cm 12 piece

In a polyethylene bag, 10 pieces of 5 cm.

Note: Please contact us for different thickness requests from 2 cm to 20 cm.

STORAGE CONDITIONS

It should be stored in its unopened original packaging, in a dry and cool environment without moisture. It should not be left under direct sunlight.

910 PROTHERM EPS



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SAFETY

Avoid contact with skin and eyes. Use protective gloves, glasses and clothing. In case of eye contact, rinse with plenty of water and 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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