PROTHERM EPS 910

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.
Thanks to its low vapor permeability resistance (20-40), it allows buildings to breathe.
It prevents moisture, humidity and paint spills on interior walls.
Thanks to the additives that provide ignition resistance, flame resistance is provided.
It provides maximum insulation in minimum thicknesses.
It does not contain gases such as CFC-HCFC-HFC, which are harmful to the ozone layer.
As a result of the reduction of the thermal conductivity value, the 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 Base Carbon reinforced EPS
Appearance / Color Sheet / Gray
Length : 1.000 mm
Width : 500mm
Thickness: 20, 30, 40, 50 ,60,80,100,120,140,150,200mm

PERFORMANCE:
(23°C, 50% RH)

Fire class :E
Size Tolerance Classes:
Length :L2
Width :W1
Thickness :T1
Deviation from Miter :S1
Surface Smoothness :P3
Thermal Conductivity Coefficient: 0.032 W/m.K
Bending Strength :BS 100
Compressive Stress at 10% Deformation: CS(10)70
Lab. Dimensional Stability Under Conditions :DS(N)5

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These values have been obtained as a result of laboratory experiments 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 as a system component in BARS PROTHERM Thermal Insulation system.

APPLICATION INSTRUCTIONS:

Surface; It should be cured, dry and solid. 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, PROREPAIR THIN or PROREPAIR; If the application will be made in environments exposed to high sulphate such as sea water and sewage, it should be repaired with PROREPAIR PLUS at least 24 hours in advance.

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

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

PACKAGING:

2cm 25pcs
3cm 16pcs
4cm 12pcs
In polyethylene bag, 10 pieces of 5 cm.

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STORAGE CONDITIONS:

It should be stored in its unopened original package, in a moisture-free, dry and cool environment. It should not be left under direct sunlight.

SECURITY:

Keep out of reach of children. Keep away from flammable materials and flame sources. For detailed information and recommendations, please refer to the Safety Data Sheet.

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