

NESCOAT® PREMIUM EPS

Carbon-Reinforced EPS Thermal Insulation Board

DESCRIPTION

NESCOAT® PREMIUM EPS is a gray thermal insulation board made from expanded polystyrene (EPS) reinforced with carbon. It gets its gray color from the carbon reinforcement.

APPLICATION AREAS

It is used as a thermal insulation board in external thermal insulation systems. Additionally, it is suitable for use in foundation and roof insulation, provided it is covered.

ADVANTAGES

- It has a low thermal conductivity coefficient (λ : 0.030).
- Provides 25% better thermal savings compared to white EPS.
- Provides water and sound insulation along with thermal insulation.
- Despite being lightweight, it offers superior mechanical strength.
- Offers a durable and long-lasting solution.
- Perfectly compatible with system components.
- Easy and practical to apply.

WARNINGS AND RECOMMENDATIONS

- The product should be stored in a cool and dry environment, protected from excessive heat.
- It should not be exposed to direct sunlight in hot weather; if necessary, it should be covered with a suitable protective material. Otherwise, structural deterioration and surface deformation may occur.

QUALITY CERTIFICATES

- Complies with the ISO 9001:2015 quality management standard.
- Complies with the TS EN 13163 building materials standard.
- CE marked, compliant with EU standards.



TECHNICAL SPECIFICATIONS

Property	Value
Density	16 kg/m ³
Thermal Conductivity Coefficient (λ_0)	0.030 W/mK
Compressive Strength (at 10% deformation)	≥ 60 kPa
Flexural Strength	≥ 100 kPa
Tensile Strength Perpendicular to the Surface	≥ 100 kPa
Squareness Tolerance	± 2 mm
Surface Flatness Tolerance	± 5 mm
Length Tolerance	± 2 mm
Width Tolerance	± 2 mm
Thickness Tolerance	± 1 mm
Long-term Water Absorption	≤ 0.5 kg/m ²
Fire Classification	E
Dimensions (Length x Width)	100 cm x 50 cm
Thickness	2 cm to 15 cm

*The values mentioned above are valid for +23°C and 50% relative humidity.