



THERMAL INSULATION PRODUCT GROUP

Fawori Black EPS

DESCRIPTION

Fawori Carbonaceous EPS Thermal Insulation Plate is a carbonaceous polystyrene-based thermal insulation plate that is produced in line with the TS EN 13163 Insulation Materials Standard.

FEATURES

- Thermal conductivity coefficient $\lambda_D = 0,032 \text{ W/mK}$ dir.
- High water vapor permeability ($\mu=20-40$). Prevents humidity, moisture, and mold in structures.
- Ability to stand all mechanical loads in structures. Prevents the formation of plaster, paint, and coating cracks resulting from expansion, shrinkage, and wall wearing.
- Reaches the perfect size balance by resting in accordance with the standards after production, there is no deviation from the square over time.

STORAGE

Store in a cool and ventilated environment, away from direct sun light and substances like solvents and thinners.

TECHNICAL SPECIFICATIONS

| FEATURES | FAWORI CARBONACEOUS EPS THERMAL INSULATION PLATE | UNIT | CLASS | STANDARD |
|----------------------------------------------------------|--------------------------------------------------|-------------------|-----------|---------------|
| Thermal Conductivity Coefficient (λ) | 0.032 | W/mK | | TS EN 13163 |
| Tensile Strength Perpendicular to Surface | ≥ 100 | kPa | TR 100 | TS EN 13163 |
| Compressive Strength at 10% Deformation | ≥ 40 | kPa | CS(10)40 | TS EN 13163 |
| Bending Strength | ≥ 115 | kPa | BS115 | TS EN 13163 |
| Length Tolerance | ± 2 | mm | L2 | TS EN 13163 |
| Width Tolerance | ± 2 | mm | W2 | TS EN 13163 |
| Thickness Tolerance | ± 1 | mm | T1 | TS EN 13163 |
| Size/Angle Tolerance | ± 2 | mm/1 m | Sb2 | TS EN 13163 |
| Dimensional Stability Under 23 °C, 50% Relative Humidity | $\pm \% 0,2$ | | DS(N)2 | TS EN 13163 |
| Dimensional Stability in 48 hours, 70 °C | $\% 1$ | | DS(70,-)1 | TS EN 13163 |
| Long Term Water Absorption by Full Immersion | $\leq \% 5$ | | WL(T)5 | TS EN 13163 |
| Partial immersion | < 0.5 | kg/m ² | | TS EN 13163 |
| Water Vapor Diffusion Resistance Coefficient | 20-40 | μ | | TS EN 13163 |
| Fire Endurance | Hard to inflame. | | B1 | DIN 4102 |
| | | | E | TS EN 13501-1 |
| Size | 50 x 100 | cm | | |
| Thickness | 2,3,4,5,6,7,8,9,10 | cm | | |



Conforms to TS EN 13163 and TS EN 13499.



RATE NO.

10.330.2001, 10.330.2021

POSE NO.

15.335.1901, 15.335.1902, 15.335.1903, 15.335.1904, 15.335.1905, 15.335.1906, 15.335.1907, 15.335.1908

This product is manufactured by Betek A.Ş., with certificate of conformity to the standards TS EN ISO 9001, TS EN ISO 14001, TS 18001, TS EN ISO 50001, TS ISO 10002, TS ISO/IEC 27001.

* Please contact our technical support for details that are not provided above, since this technical sheet is based on general conditions. Otherwise, the manufacturer may not be held responsible for any missing information. Our company reserves the right to change the information provided. Where necessary, please refer to the Material Safety Data Sheets for more information on health, safety and handling risks, and precautions associated with the products.



15.335.1101, 15.335.1102, 15.335.1103, 15.335.1104, 15.335.1105, 15.335.1106

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