

Description

Kalekim White EPS thermal insulation board is a White EPS Thermal Insulation Board that is manufactured out of Expanded Polystyrene.

Fields of Application

- Thermal insulation on exterior and interior walls of buildings.
- It is used for sheathing within thermal insulation systems.

Properties

- Thermal insulation on exterior and interior walls of buildings.
- Dry and still air is trapped within the innumerable number of small closed porous cells in its structure (3-6 billions depending on EPS density in 1 m^3). The material is very light as 98% of it is air, and it doesn't bring additional loads to structures.
- Light and easy-to-apply.
- Environment-friendly.
- 100% recyclable and no polluting waste.
- Fixed thickness, doesn't get thinner over time.
- Maintains its insulation property.
- Infinite lasting.

Storage

- Packages should be stored in a cool and ventilated environment.
- Protect from water and sunlight when storing outdoors.
- Don't expose to heat.
- Stock in an inclined way to prevent accumulation and penetration of rainwater.

Packaging

- 2 cm package 12.5 m^2
- 3 cm package 8 m^2
- 4 cm package 6 m^2
- 5 cm package 5 m^2
- 6 cm package 4 m^2
- 7 cm package 3.5 m^2
- 8 cm package 3 m^2

Technical Specifications

(23 °C and %50 RH)

| | |
|--|---------------------------------|
| Standart | TS EN 13163 |
| Thermal Conductivity Value | ≤ 0.038 W/mK |
| Fire Resistance | According to EN 13501-1 Class E |
| Density | 16 kg/m ³ |
| Dimensional Consistency | ± % 0.2 DS (N) 2 |
| Compression Resistance (min.) (10% deformation) | CS (10) 60 |
| Tensile Strength Perpendicular to The Surface | TR100 |
| Long Term Water Absorption Under Total Immersion | WL (T) 5 |
| Vapour Diffusion Resistance Coefficient (μ) | 20-40 |
| Flexural Strength | ≥ 115 kPa |

Dimensions

| | |
|-----------|--|
| Length | 1.000 mm |
| Width | 500 mm |
| Thickness | 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120 mm |

Certificate of Quality
TS EN 13163