



Grey EPS

Thermal insulation board

Product Description

Expanded polystyrene boards with enhanced thermal insulation properties are used in thermal insulation systems.

Storage

- Packages should be kept in a sheltered, dry environment.
- Packages should be kept away from weather conditions, moisture and water contact to maintain its characteristic properties.
- It is proposed to keep the packages horizontally on a flat, dry and clean surface during transportation and stocking.

Standards referred to

TS EN 13163
EN 13499

Fields of Application

- Interior Thermal Insulation Systems
- Exterior Thermal Insulation Systems

General Data

Description	Width (mm)	Length (mm)	Thickness (mm)	Density (kg/m ²)	Material Number
Grey EPS	500	1000	50	16	141413

Technical Data

Description	Grey EPS 16 16 kg/m ³	Grey EPS 30 30 kg/m ³
Apparent density (kg / m ³)	16	30
Reaction to fire	B1	B1
Thermal conductivity λ (W / mK)	0,032	0,030
Compressive strength (kPa) 10% deformation	70	150
Extended period of water absorption with total immersion	%3	%3
Water vapour diffusion resistance μ	20-40	40-100
Dimensional stability	± % 0,2	± % 0,2
Flexural strength (kPa)	115	200
Tensile strength (kPa)	100	200

System Performance Values

Performance values as sound insulation, fire resistance etc. may differ acc. to the drywall system to be applied. Please check the performance values of the drywall systems;

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Application

Application should be done acc. to the applicable standards (TS 1475) and acc. to the Knauf Technical Brochures of the respective drywall system.

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