

HYGROSMART® – TH EPS-G

Thermal insulation boards from graphite expanded polystyrene (EPS)

DESCRIPTION

HYGROSMART®-TH EPS-G is a grey graphite expanded polystyrene material. It consists of small black polystyrene beads (EPS) with the addition of graphite.

Graphite expanded polystyrene has the lowest declared thermal conductivity value λ compared to all expanded polystyrene (EPS) products. They offer up to 20% better thermal insulation compared to conventional expanded polystyrene (EPS).

APPLICATION

Ideal for outdoor and indoor thermal insulation. Recommended for thermal insulation of cavity walls, concrete slabs and thermal insulation of pitched roofs. It is also ideal for constructions of inverted and conventional roof insulation as well as roof and floor insulation.

ADVANTAGES

- Better thermal insulation performance, even at low densities, compared to classic expanded polystyrene and other insulating materials.
- Resistant to aging and decomposition.
- Water vapor permeable, water resistant and with very low moisture absorption.
- Self-extinguishing with flame retardant.
- Zero water absorption.
- Ecologically efficient, does not produce dust and does not irritate the skin.
- Easy to handle, lightweight, easy to process.
- 100% recyclable free of chlorofluorocarbons (CFCs), hydro chlorofluorocarbons (HCFC) and hydro fluorocarbons (HFC).
- High sound absorption.

STORAGE

According to the ELOT EN 13163 production standard, the service life of EPS products is very long. It is recommended for the product to be stored in a shady place.

COLOR

Grey.

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TECHNICAL SPECIFICATIONS

HYGROSMART TH-EPS 80 G: EPS - EN 13163 - T(1) - L(2) - W(2) - S(2) - P(5) - DS(N)2 - BS125 - CS(10)80 - TR150

| TECHNICAL SPECIFICATIONS EPS 80 G | |
|-----------------------------------|--------------------------|
| W_{ip} | ≤ 0,5 kg/m ² |
| λ_D | 0,031 W/(m*k) |
| f_{tk} | ≥ 0,02 N/mm ² |
| G_m | ≥ 1,0 N/mm ² |

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