

TECHNICAL DATA SHEET

STIROTACKER R PE Alu EPS 100

Thermal insulation product for buildings

Product description

Thermal insulation board made of expanded polystyrene (EPS), laminated with metallized PE foil. It does not contain freons (CFC free / FCKW frei) and does not contain HBCD.

Product features

The product meets the requirements of the standard SIST EN 13163:2012+ A1:2015, ÖNORM B 6000:2018.

- Format: roll 10 m x 1000 mm x dN (mm)
- Description: roll/white board, on which a metallized PE foil with a grid and a self-adhesive flap is applied
- Temperature resistance: long-term 70° C, short-term 80° C

CE-marking:

EPS-EN 13163-L(3)-W(3)-T(2)-S(5)-P(5)-BS150-CS(10)100-TR150-DS(N)5-DS(70,-)3-DLT(1)5

| Key features | EN standard | Unit | Declared (EN 13163:2012+ A1:2015) |
|------------------------------------|-------------|-------|-----------------------------------|
| Length | EN 822 | mm | ± 3 |
| Width | EN 822 | mm | ± 3 |
| Thickness | EN 823 | mm | ± 2 |
| Squariness | EN 824 | mm | ± 5 |
| Flatness | EN 825 | mm | ± 5 |
| Bending strength | EN 12089 | kPa | ≥ 150 |
| Tensile strength | EN 1607 | kPa | ≥ 150 |
| Compressive strength | EN 826 | kpa | ≥ 100 |
| Dimensional stability | EN 1603 | % | ± 0,5 |
| Dimensional stability at 70°C | EN 1604 | % | ≤ 3 |
| Def. under pressure and temp. load | EN 1605 | % | ≤ 5 |
| Reaction to fire | EN 13501-1 | / | E |
| Thermal conductivity | EN 12667 | W/m.K | 0,036 |

| Thickness (mm) | 20 | 25 | 30 |
|------------------------|------|------|------|
| R (m ² K/W) | 0,55 | 0,65 | 0,80 |

Field of use

The product is used for underfloor heating, providing thermal and sound insulation in a floating floor system where loads do not exceed 2500 kg/m². Heating pipes are attached to the product using pipe clips.

Application

Thermal insulation boards are installed by gluing or laid freely, depending on the method of use. The joints of the boards are made with pre-installed double-sided adhesive tape. The installation of self-leveling screed is also possible. During installation, it is necessary to follow the installation instructions and the applicable professional and legal regulations.

Storage

The product must be stored on a dry surface and protected from direct sunlight, moisture, frost and snow, mechanical damage, dirt and flame. Contact with incompatible materials/chemicals should be avoided.

Packaging

Packed in a roll or in a package wrapped in PE foil.

Waste management

The waste product must be handled in accordance with the Waste Regulation. The residue or waste of the product is classified as non-hazardous waste, namely as construction waste-plastic (17 02 03). Waste foil belongs to waste plastic packaging (15 01 02) and waste pallets to waste wooden packaging (15 01 03).

Certificates



PTD (ITT), FIW München

The product is in accordance with SIST EN 13163:2012+A1:2015 and Regulation (EU) No. 305/2011. The quality and environmental management system is in accordance with SIST EN ISO 9001 and SIST EN ISO 14001.

Declaration of performance No. DoP-01-TI- 019 / 26 - 01



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