



Expanded Polystyrene Manufacturers

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EXPANDED POLYSTYRENE INSULATION BOARDS (EPS 90)

According to EN 13163



USES:

- As a heat insulation material in outer walls of houses.
- In ceilings and roofs of building.
- For foundation insulation.
- In the inner wall of refrigerators and cool rooms.
- As an insulating and protective material for packaging
- In joints and shoring walls for contractions / dilations and for
- In walls and roofs of prefabricated houses and for indoor

| Technical properties: | Norm | Μονάδα μέτρησης | EPS 90 |
|--|----------|-------------------------------|---------|
| Density | | Kg /m ³ | 17-18 |
| Thermal conductivity at 10°C | EN 12667 | W/(m.K) | 0.037 |
| Compressive stress at 10% deformation | EN 826 | kPa | 90-100 |
| Bending strength | EN 12089 | kPa | 160-220 |
| Dimensional stability 23°C / 50% relative humidity | EN 1603 | - | -0,2 % |
| Dimensional stability under specified temperature and humidity conditions 70°C / 90% relative humidity | EN 1604 | - | -0,1% |
| Reaction to fire | EN 13501 | Fire Retardant – Euroclasse E | |

| Dimensions (mm) | Thickness (mm) |
|---------------------------|----------------|
| 2000 x 1000mm 2500 x600mm | 10mm - 200mm |

ADVANTAGES:

- High degree of insulating power
- High mechanical resistance
- Fire resistance of Euroclasse E
- Low water absorption
- Biologically harmless
- Low cost.