

**CONFORMITY DATA SHEET**

PRODUCT:  
**GENERAL EPS 80**

FTP004

ED.:  
RO-03-07/21



**GENERAL**  
**MEMBRANE**

**Description:**

GENERAL EPS 80 flameproof insulation panels are made by expanding and pressing flame retardant polystyrene granules under pressure and controlled temperature conditions.

**Areas of use:**

- In the thermal and acoustic insulation of new civil or industrial buildings and old buildings undergoing rehabilitation.
- Thermal insulation in the ETICS system.
- The self-extinguishing expanded polystyrene sheets can be applied on concrete, brick, plaster, autoclaved cellular concrete, OSB or wood.
- Ventilated facades

**Technical specifications:**

According to EN 13163:2012 + A1:2015 the label is marked as follows:

**GENERAL EPS 100- EN13163- T2 - L2 – W2 - Sb2 – P3- BS150- CS(10)100- DS(N)2- TR180- WL(T)3.5**

Parameter	Class	Values	Test method
Limit deviation for length (mm)	L2	±2	EN 822:2013
Thickness deviation for thickness (mm)	T2	±2	EN 823:2013
Limit deviation for width (mm)	W2	±2	EN 822:2013
Perpendicular deviation (mm / m)	Sb2	±2	EN 824:2013
Limit deviation for flatness (mm)	P3	3	EN 825:2013
Dimensional stability under specified conditions of temperature and humidity (%)	DS(70,-)1	≤1	EN 1604:2013
Bending resistance (kPa)	BS 125	≥125	EN 12089:2013
Compression stress at a deformation of 10% $\sigma_{10}$ (kPa)	CS(10)80	≥80	EN 826:2013
Dimensional stability under constant laboratory conditions (%)	DS(N)2	≤0.2	EN 1603+AC:2013
Tensile strength perpendicular to faces (kPa)	TR150	≥150	EN 1607+AC:2013
Long-term water absorption through total immersion (%)	WL(T)3.5	≤3.5	EN 12087:2013
Declared thermal conductivity $\lambda_D$ 10 ° C (W / mK)	-	0,036	EN 12667:2002
Thermal resistance (m <sup>2</sup> K / W) - for a thickness of 50 mm	-	1.36	EN 12667:2002
Water vapor transmission properties: water vapor permeability	-	0.018-0.036	EN 12086:2013
Fire reaction class		E	EN 13501-1

**Benefits:**

- Light weight, easy to process and handle.
- Good diffusion capacity, which means that it does not allow the passage of water but allows the passage of water vapor due to its open microporosity. As a result, the structure of the building can "breathe" and will not remain moist over time.
- Long life, does not decompose under the influence of microorganisms.



[www.generalmembrane.ro](http://www.generalmembrane.ro)



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### Packing:

Standard expanded polystyrene plates have dimensions of 500 x 1000 mm and thicknesses between 20 - 200 mm. On request, panels with other dimensions can be manufactured.

### The commissioning:

The installation of the fireproof expanded polystyrene is implemented according to the approved norms, in compliance with the good practice rules specific to the thermal insulation with expanded polystyrene.

### Transport and storage:

- Storage should be done in dry places, away from prolonged exposure to direct action of the sun's rays.
- Storage near heat or fire sources is forbidden and contact with combustible petroleum products should be avoided.
- The product will be kept in its original packaging until it is put into operation, avoiding storage on the tiles edge.
- The transport will be carried out with non-watertight means of transport, far from the heat-generating components or sparks of the vehicle.
- No smoking and working with open fire near expanded polystyrene panels.

### Health safety and environmental protection:

- Recyclable product, does not release fluorides /chlorides
- The resulting wastes are fully reprocessed
- Does not affect health
- Odorless, non-irritated to the skin.

### Warranty:

- The manufacturer guarantees the physical characteristics of the products manufactured as follows:
- Commercial guarantee: 24 months (Law 449/2003), provided that the storage and handling requirements are respected.
- The guarantee of compliance: 10 years (Law 10/1995) from the reception of the commissioning, according to the law and according to the applications recommended by the manufacturer.

### Certifications and verifications:

- the panels of expanded polystyrene flame retardant GENERAL EPS comply with the requirements imposed by EN 13163:2012 + A1: 2015, system 3 attesting the conformity - Annex ZA and Regulation (EU) no. 305/2011.
- SRAC certification for the Quality Management System (ISO 9001), environmental (ISO 14001), occupational health and safety (ISO 45001).



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