

ISILION EPS WHITE PLATE

Product Definition	<ul style="list-style-type: none">› Expanded Polystyrene (EPS) that expands in preliminary inflation with the addition of pentane, inflator catalyzer active substance, with polymerisation of styrene monomer and again spreading homogenously in the container by pouring polystyrene grains and produced giving water vapor, and cut in hot form in plate share after removing the mold.
Fields of Use	<ul style="list-style-type: none">› For thermal insulation of walls in buildings,› For thermal insulation of sloped and terrace roofs in buildings,› For thermal insulation of furnitures in buildings,› For thermal insulation of ceilings in buildings,› For thermal insulation of outbuildings in buildings,› For thermal insulation of impact sound in floating furnitures in buildings,
Insulation Purpose Usage Fields of EPS Products	<ul style="list-style-type: none">› Creating multi-covered elements in air sound insulation in buildings (after special processing),› For thermal insulation of cold storage facilities,,› Pipe heat insulation,› Thermal insulation used in coops.
Other Purpose Usage Fields of EPS Products	<ul style="list-style-type: none">› In dilatation joints,› In production of lightweight construction blocks (light brick, block, etc.),› For production of floor tiles,› For production of EPS granule concrete and insulation plaster,› As filler in producing door,› For production of prefabricated light concrete components,› For tank, reservoir insulation,› For production of composite (multi-layered finished) sheets.
In Special Engineering Structures	<ul style="list-style-type: none">› In production of pontoon (floating marina),› In production of highways in colder regions,› To increase ground strength by filling loose surfaces,› In dilatation joints in bridges,

In Other Works

- › In all packaging industry,
- › For the production of lifejackets and lifebuoys for ships,
- › For the production of sailboards,
- › For the construction of small marine boats,
- › For decoration works,

Characteristics and Advantages

- › Resistant to environmental conditions, long lasting.
- › Its density can be changed in a wide range and thus all of its features can be controlled over a wide range as desired.
- › Its water absorption is very small.
- › According to various heat insulation material, both during and after production phase, it is environment friendly (does not contain ozone layer damaging CFCs etc., does not cause global warming directly, a recyclable material).
- › It has a very good shock absorption feature.
- › It is resistant against bacteria growth.
- › It can be produced as desired, with the easy of application.

Technical Specifications

Basic Characteristics	Unit	Declaration	Adapted Technique Specification (TS EN 13163)
Thickness	mm	T2	TS EN 823 ±2
Thermal Conductivity	W/ mK	0.046	TS EN 12667 max. 0.046
Thermal Resistance- for 30 mm thickness	M²K/W	0.652	TS EN 12667 min. 0.652
Thermal Resistance- for 40 mm thickness	M²K/W	0.870	TS EN 12667 min. 0.870
Thermal Resistance- for 50 mm thickness	M²K/W	1.087	TS EN 12667 min. 1.087
Behavior Against Fire	-	E	EN 13501-1 E
Compressive Stress at 10% Deformation	-	NPD	TS EN 826 -
Deformation under Specified Compressive Load and Temperature Conditions	-	NPD	TS EN 1605 -
Water Suction	-	NPD	TS EN 12087 -

Ambalaj

Product Dimensions (m³)			
0,225	0,240	0,245	0,250

