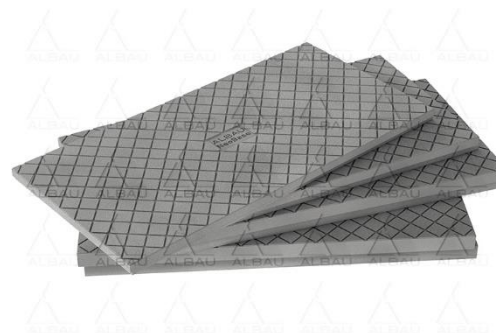


ALBAU NEO BASE 100

USAGE:

Foamed polystyrene sheets NEO BASE are an eco-friendly, inexpensive and efficient insulation material used in construction, namely, for thermal insulation of the enclosing structures of buildings. They are particularly advisable for high-humidity locations such as underground structures of buildings (basements, foundations, floors) and supporting structures.

NEO BASE sheets are produced in a molding press by thermally expanding pre-foamed polystyrene beads. The sheets may be continuously used as a thermal insulation material at ambient temperatures of up to + 80°C.



MAIN PROPERTIES:

- Minimal water absorption – the sheets are made with no cut edges so the possibility of water permeation in the material is very unlikely
- High load resistance – the sheets are produced under high pressure by thermally expanding foam polystyrene beads, as a result of which high density sheets are obtained
- Low thermal conductivity – the high density of a sheet makes an optimum mass/volume ratio which ensures the low thermal conductivity coefficient of the material
- Minimal impact of moisture on thermotechnical parameters – the sheet production method ensures constantly low water absorption, preventing deterioration of the thermotechnical properties of the material over the course of time
- Particularly precise dimensions – each sheet is made in a separate moulding press which ensures minimal deviation of dimensions
- Efficient edge jointing – sheets are produced with a half-lap joint which ensures maximum air-tightness of joints and guarantees that no heat loss or moisture migration would occur through the joints

Product code	EAN code	Thickness, [mm]	Per pack [m ²]	Number of sheets per pack [p.]
ALB-NEOBASE100-50	4751023403328	50	5,76 m ²	8
ALB-NEOBASE100-60	4751023403335	60	5,04 m ²	7
ALB-NEOBASE100-80	4751023403342	80	3,60 m ²	5
ALB-NEOBASE100-100	4751023403359	100	2,88 m ²	4



ALBAU NEO BASE 100

ALBAU NEO BASE EXAMPLES OF USAGE

- ✓ NEO BASE is the best choice of thermal insulation for locations and structures with potentially high level of humidity and high load strength requirements (floors, roofs, flat roofs, underground structures of buildings such as basements and foundations).
- ✓ The thickness of sheets shall be determined during the design process, in compliance with the construction design regulations stipulated in the construction standards and other regulatory documents.

TECHNICAL DATA:

Name	ALBAU NEO BASE			
	Declaration of performance			
EPS type	EPS 100			
Compressive stress at 10% deformation (kPa)	100			
Tensile Strength	150			
Sustained load stability at 2% deformation, projected for 50 years (kPa)	30			
Flexural strength (kPa)	≥ 150			
Coefficient of thermal conductivity at 10 °C, λD (W/mK)	0,031			
Heat resistance depending on the thickness m ² x K/w	50 mm	1,60	60 mm	1,90
	80 mm	2,55	100 mm	3,20
Sustained water absorption (volume %) at complete immersion in water	≤ 1,5			
Reaction to fire	E			
Water vapour diffusion resistance factor μ	30–70			
Density (kg/m ³)	20 ± 1			
Sheet dimensions (mm)	1200 × 600			
Sheet thickness (mm)	50; 60; 80; 100			
Sheet colour	Grey			

STORAGE:

- Products must be stored, with the product placed on a smooth flat surface of the supporting surface, in dry conditions, at temperatures not exceeding 70 ° C.
- Long-term product storage on uneven surfaces or in a vertical position may cause deformation.
- There shall be no contact with solvents.
- Keep away from children!