



XPS thermo-insulated panel

ELYFOAM thermo-insulated panels are made in a single layer of extruded polystyrene foam (XPS).

The product is in light blue colour and comes in various sizes and finishes depending on the desired use.

Extruded polystyrene foam is a lightweight foam insulation material with a closed-cell structure (about 97% of its volume is made up of air bubbles in polyhedral cells). It has very good thermal insulation properties and is adaptable for several types of uses in the construction sector, for example: ceilings/attics - refrigerated cells - flat roofing - walls.

ELYFOAM range, like all Brianza Plastica products' ranges, is produced according to strict national and community norms as far as the ENVIRONMENT PROTECTION is concerned. As a matter of fact we only use eco-friendly gas, avoiding CFC or HCFC.

ELYFOAM bears the CE mark in compliance with the European Directive 89/106/CEE, norms EN13164 and EN13172.

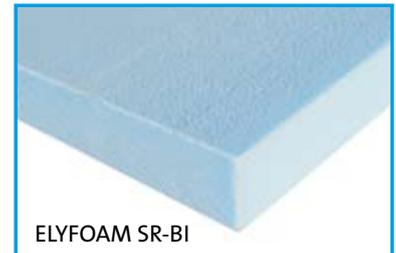
System 3 - Organism certified by CSI S.p.A. (n° 0497).

ADVANTAGES

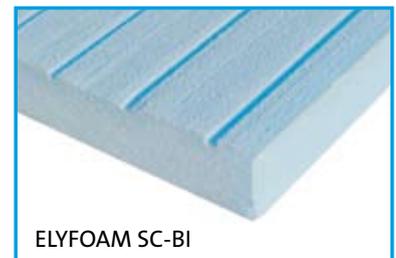
- Excellent thermal insulation.
- Lightweight and easy to apply.
- Top mechanical specifications, in particular compression resistance.
- Reaction to fire Euroclass E.
- Low water absorption.

SIZE TOLERANCE (EN13164) - Rated values

| | |
|-----------|-----------------|
| Length | ± 10 mm |
| Width | ± 5 mm |
| Thickness | - 2 mm / + 3 mm |



ELYFOAM SR-BI



ELYFOAM SC-BI

| TYPES | SURFACE FINISH | OUTER CUT | DIMENSIONS | THICKNESSES |
|---------------|----------------|----------------|----------------------------|--------------------------------|
| ELYFOAM SR-BI | rough | straight edges | 600x2800 mm 600x1250 mm | 30-40-50-60-80-100 mm 20 mm |
| ELYFOAM SC-BI | rough+grooves | straight edges | 600x2800 mm | 30-40-50-60-80-100 mm |

TECHNICAL SPECIFICATIONS

| | |
|--|--|
| Density | < 35 Kg/m ³ |
| Stress resistance to 10% deformation | ≥ 250 KPa |
| Long term water absorption by total immersion W _L | < 0,7 %/ volume |
| Permeability to vapour | μ ≥ 100 |
| Operational temperature | -65°/+75° C |
| Declared thermal conductivity coefficient | for thicknesses from 20 to 50: λ _D = 0,033 W/m°K |
| Declared thermal conductivity coefficient | for thicknesses from 60 to 100: λ _D = 0,036 W/m°K |

The informations contained in this technical data sheet is based on present information and experiences and is correct and precise, as far as we know. The information has no meaning of quality guarantee as the employment conditions are not under our direct control.