



# Roof Floor Polystyrene panels TERMONIUM PLUS

## 031 graphite 50mm



Brand	TERMONIUM PLUS
Manufacturer	
Dimension	50mm 1000x500mm pack 0.3m3/6m2/12pcs
Weight	5.00 kg
Product Code	62-5950005
EAN	5902973380620
SKU	004345
Advice IBB	
Application	Floors, roofs, flat roofs, terraces, balconies, floors in underfloor heating systems
IBB ID	14238

### Product specification

Manufacturer	TERMO ORGANIKA	Unit	pack
Brand	Termonium Plus	Colour	graphite
EAN	5902973380620	Dimension	50mm 1000x500mm pack 0.3m3/6m2/12pcs
Fire resist	E	Thermal conductivity [W/mK]	0.031
Norm	EN 13163:2012+A1:2015		

### Polystyrene boards 5 cm 031 EPS 100 roof-floor TERMONIUM PLUS TERMO ORGANIKA

Polystyrene roof-floor TERMONIUM PLUS TERMO ORGANIKA are silver-gray boards with the best thermal insulation parameters. They are manufactured on the basis of an innovative raw material containing e.g. graphite, which improves the insulating properties of styroboards.

The low thermal conductivity coefficient  $\lambda$  0.031 provides excellent protection against heat loss, which significantly affects the costs associated with heating the building.

#### Application of styrofoam roof-floor TERMONIUM PLUS:

- floors on the ground in residential,
- public and industrial buildings with normal loads,
- floors in underfloor heating systems,

- floors on all types of ceilings with a rigid structure,
- floors of public buildings,
- solid flat roofs,
- external ceilings,
- flat roofs with a flexible structure (trapezoidal sheet metal),
- terraces,
- balconies.

**Properties of TERMONIUM PLUS roof-floor polystyrene boards:**

thickness T (2):  $\pm 2$  mm,

length L (2):  $\pm 2$  mm,

width W (2):  $\pm 2$  mm,

rectangularity S (5):  $\pm 5$  mm/m,

flatness P (10): 10 mm,

bending strength level BS150:  $\geq 150$  kPa,

compressive stress at 10% relative deformation CS (10) 100:  $\geq 100$  kPa,

class of dimensional stability in constant,

normal laboratory conditions DS (N) 2:  $\pm 0.2\%$ , level of dimensional stability in specific temperature and humidity conditions (temp. 70°C, 48 h) DS (70,-) 2:  $\leq 2\%$ ,

declared thermal conductivity coefficient  $\lambda$  decl. at temp. 10°C: 0.031 W/(m\*K),

fire reaction class: E.