

EUROPIR[®] SL gradient panel

CHEMICAL NAME	Rigid polyisocyanurate (PIR) foam.
FUNCTION	Thermal insulation panel for insulating and shaping the surface of terraces, balconies and flat roofs.
TECHNICAL REQUIREMENTS	<p>Protect from light/UV.</p> <p>Prolonged contact with water or moisture may lead to surface soaking, in which case drying is recommended.</p> <p>When storing outside, do not store directly on the ground, use underlays, e.g. pallets.</p> <p>Dust off the panel surfaces with a brush before installation.</p>
INFORMATION	<p>Thermal insulation panel made of rigid polyisocyanurate (PIR) foam without cladding.</p> <p>Length 1000 mm</p> <p>Width 1000 mm</p> <p>Height..... max. 600 mm</p> <p>Colour..... yellowish</p> <p>Reaction to fire class..... E (Euroclass) PN EN 13165, EN 13501-1</p> <p>Declared thermal conductivity (λ_d):</p> <p style="padding-left: 100px;">d<80 mm ≤ 0.025 W/mK</p> <p style="padding-left: 100px;">80≤d<120 mm..... ≤ 0.024 W/mK</p> <p style="padding-left: 100px;">d≥120 mm.....≤ 0.023 W/mK PN EN 13165, EN 12667</p> <p>Operating temperature.....-120°C to +120°C</p> <p>Compression strength.....≥150 kPa PN EN 13165, EN 826</p> <p>Closed cell content.....>90% PN EN 13165, ISO 4590</p>

Short term water absorption
at partial immersion.....<0.15 kg/m²
PN EN 13165, EN 1609

Long term water absorption
at partial immersion.....<0.32 kg/m²
PN EN 13165, EN 12087

Long term water absorption
at total immersion.....<1.7% (v/v)
PN EN 13165, EN 12087

APPLICATIONS

EUROPIR® SL gradient panels for insulation of terraces and balconies as well as flat roofs – these are modular PIR panels without cladding with a one- or two-way gradient.

Gradient plates are used to shape thermal insulation to ensure effective drainage of water from terraces, balconies or roofs. They ensure the drainage of rainwater to appropriate location(s), such as gutters and roof drains.

Custom-made product for individual needs/gradient design of the terrace, balcony, etc.

Terrace/Balcony Flat roof

Thermal insulation and thermal modernization:

- residential buildings,
- sports facilities and public administration facilities,
- commercial and service premises,
- office buildings,
- passive and energy-saving buildings.