

# EUROPIR<sup>®</sup> panel for insulating ceilings, foundations and flat roofs.

<b>CHEMICAL NAME</b>	Rigid polyisocyanurate (PIR) foam.
<b>FUNCTION</b>	Thermal insulation panel for ceilings, foundations and flat roofs.
<b>TECHNICAL REQUIREMENTS</b>	<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>
<b>INFORMATION</b>	<p>Thermal insulation panel made of rigid polyisocyanurate (PIR) foam without cladding.</p> <p>Length ..... 1000 mm</p> <p>Width ..... 500/1000/1200 mm</p> <p>Height ..... 20-200 mm</p> <p>Colour ..... yellowish</p> <p>Reaction to fire class ..... E (Euroclass) PN EN 13165, EN 13501-1</p> <p>Declared thermal conductivity (<math>\lambda_d</math>):</p> <p style="padding-left: 100px;">d &lt; 80 mm ..... <math>\leq 0.025</math> W/mK</p> <p style="padding-left: 100px;">80 <math>\leq</math> d &lt; 120 mm ..... <math>\leq 0.024</math> W/mK</p> <p style="padding-left: 100px;">d <math>\geq</math> 120 mm ..... <math>\leq 0.023</math> W/mK PN EN 13165, EN 12667</p> <p>Compression strength ..... <math>\geq 150</math> kPa PN EN 13165, EN 826</p> <p>Tear strength ..... <math>\geq 120</math> kPa PN EN 13165, EN 1607</p> <p>Closed cell content ..... &gt; 90% PN EN 13165, ISO 4590</p> <p>Short term water absorption at partial immersion ..... &lt; 0.15 kg/m<sup>2</sup> PN EN 13165, EN 1609</p>

Long term water absorption at partial immersion.....	<0.32 kg/m <sup>2</sup> PN EN 13165, EN 12087
Long term water absorption at total immersion.....	<1.7% (v/v) PN EN 13165, EN 12087
Dimensional stability (length, width/thickness) 70°C/90% RH .....	≤2 / ≤6% PN EN 13165, EN 1604
Dimensional stability (length, width/thickness) -20°C. ....	≤0.5 / ≤2% PN EN 13165, EN 1604
Operating temperature.....	-120°C to +120°C

## APPLICATIONS

EUROPIR® panels without cladding made of rigid PIR foam for insulating floors, ceilings and foundations as well as attics and flat roofs.

Thermal insulation and thermal modernization of walls:

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