TROCELLEN
MULTIFUNCTIONAL
TECHNICAL FOAM

Special Insulation Applications

Construction
**Other Uses**

**TROCELLEN**
Physically and chemically cross linked polyolefin polymer based multifunctional technical foam - the ideal solution for many common heat and sound insulation problems.

**TROCELLEN N**
- For insulating shutter systems
- For insulating garage doors
- For protecting bitumen seals in walls below ground level
- Uncoupling tape for plasterboard walls (TROCELLEN VN also usable)
- Seals for insulated metal panels (TROCELLEN VN also usable)
- Expansion joint filler for highways and walkways (TROCELLEN VN also usable)

---

**Insulation shutter systems**

**Insulation garage doors**

**Insulation for bitumen seals for walls below ground level**

**Uncoupling tape for plasterboard walls**

**Seals for insulated metal panels**

**Expansion joint filler for highways and walkways**
# TROCELLEN OTHER USES

## TECHNICAL DATA

<table>
<thead>
<tr>
<th>TECHNICAL CHARACTERISTICS</th>
<th>NORM</th>
<th>UNIT</th>
<th>TROCELLEN N</th>
<th>TROCELLEN AL</th>
<th>TROCELLEN ALU</th>
<th>TROCELLEN VN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Spec. BASE</td>
<td></td>
<td>Chemically cross-linked PE foam</td>
<td>Chemically cross-linked PE foam bonded with embossed, scratch resistant metallic film (25 μm)</td>
<td>Chemically cross-linked PE foam bonded with embossed, scratch resistant metallic film (25 μm)</td>
<td>Physically cross-linked PE foam</td>
</tr>
<tr>
<td>Density</td>
<td>EN ISO 845</td>
<td>kg/m³</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Thickness</td>
<td>EN ISO 1923</td>
<td>mm</td>
<td>3 - 5 - 10</td>
<td>3 - 5 - 10</td>
<td>3 - 5 - 10</td>
<td>3 - 5 - 10</td>
</tr>
<tr>
<td>Colour</td>
<td>Spec. BASE</td>
<td></td>
<td>anthracite</td>
<td>anthracite</td>
<td>anthracite</td>
<td>anthracite</td>
</tr>
<tr>
<td>Reaction to fire</td>
<td>UNI 8457 / UNI 9174</td>
<td>-</td>
<td>NA</td>
<td>NA</td>
<td>CLO-2</td>
<td>NA</td>
</tr>
<tr>
<td>Compression stress strength at 10%</td>
<td>EN ISO 3386/1</td>
<td>kPa</td>
<td>19</td>
<td>19</td>
<td>19</td>
<td>13</td>
</tr>
<tr>
<td>Water absorption after 28 days</td>
<td>ISO 2896</td>
<td>Vol.%</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;3</td>
<td>&lt;2</td>
</tr>
<tr>
<td>Dimensional stability (&lt; 5%)</td>
<td>ISO 2795</td>
<td>°C</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>95</td>
</tr>
<tr>
<td>Thermal conductivity coefficient at 10 °C (λ-value)</td>
<td>EN 12667</td>
<td>W/mK</td>
<td>0.0359</td>
<td>0.0359</td>
<td>0.0359</td>
<td>0.0344</td>
</tr>
<tr>
<td></td>
<td></td>
<td>kcal/mh°C</td>
<td>0.0309</td>
<td>0.0309</td>
<td>0.0309</td>
<td>0.0296</td>
</tr>
</tbody>
</table>

---

### TROCELLEN AL/ALU

For insulating wall-mounted radiators (heat mirror)
INTERNATIONAL LOCATIONS

Lead Plant
TROCELLEN Italia S.p.A.
Sales office
Via Dante, 3
20867 Caponago (MB), Italy
Ph. +39 02 959 621
Fax +39 02 959 62 235

TROCELLEN GmbH
Mülheimer Straße 26
53840 Troisdorf, Germany
Ph. +49 2241 2549000
Fax +49 2241 2549099

TROCELLEN Ibérica S.A.
C/Avila, s/n
28804 Alcalá de Henares, Spain
Ph. +34 91 885 55 00
Fax +34 91 885 55 01

insulation@trocellen.com

Polifoam Plastic Processing Co. Ltd
Táblás u. 32
1097 Budapest, Hungary
Ph. +36 1 347 98 00
Fax +36 1 280 67 08

TROCELLEN S.E.A. Sdn Bhd
Lot 2213, Kg. Batu 9 Kebun Baru,
Jalan Kasawari
42500 Telok Panglima Garang
Selangor Darul Ehsan, Malaysia
Ph. +60 3 3122 1213
Fax +60 3 3122 1211

TROCELLEN France
Bureau de vente
2 rue de Comméres,
Immeuble les Peupliers
F-78310 Coignières, France
Ph. +33 (0) 130 85 93 40

TROCELLEN* is the first choice European polyolefin foam-solution provider. Through continuous innovations and successful partnerships we dedicate ourselves to one goal: protecting and providing comfort for people.

After more than 40 years, with 600 employees at seven sites and many cooperating companies, various partner universities, institutes and designers we offer solutions for our business partners in various industries such as construction and insulation, automotive, leisure and professional sport, adhesive tapes, footwear and packaging.

*Trocellen is the member of Furukawa Group.