SIMONA® COPLAST-AS
Coextruded PVC foam sheets
for indoor and outdoor applications
SIMONA® COPLAST-AS – Versatility breeds success

SIMONA® COPLAST-AS are coextruded PVC foam sheets which are designed to deliver a sophisticated, premium-quality appearance. In addition, COPLAST-AS combines good rigidity with UV and weather stability, making it the perfect solution for outdoor applications.

SIMONA® COPLAST-AS consists of high-quality outer skins and a white foam core. By contrast, SIMONA® COPLAST-AS-X comes with a grey foam core.

**Versatile use**
- Ceiling and wall panels
- Wall dividers
- Outdoor signs
- Facade elements
- Displays
- Exhibition stand design
- and more

**Excellent properties**
- UV and weather stability
- High dimensional stability
- Antistatic properties
- Excellent printability
- Sound and heat insulating
- Outstanding processability

**Processing versatility**

<table>
<thead>
<tr>
<th>Processing method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sawing</td>
</tr>
<tr>
<td>Bolting</td>
</tr>
<tr>
<td>Drilling</td>
</tr>
<tr>
<td>Riveting</td>
</tr>
<tr>
<td>Backing/laminating</td>
</tr>
<tr>
<td>Gluing</td>
</tr>
<tr>
<td>Warm bending</td>
</tr>
<tr>
<td>Cold curving</td>
</tr>
<tr>
<td>Printing</td>
</tr>
<tr>
<td>Spray painting</td>
</tr>
<tr>
<td>Milling</td>
</tr>
</tbody>
</table>
**Light but sturdy**

The foamed interior is extremely light. At the same time, COPLAST-AS/-X sheets offer good dimensional stability – a key advantage in many fields of application.

**UV and weather stability**

The compact outer skins of COPLAST-AS/-X sheets provide excellent impact strength and high rigidity. Owing to its UV resistance, the material is also suitable for outdoor applications.

**Antistatic properties**

Featuring antistatic properties, COPLAST-AS/-X sheets remain dust-free. This makes laminating and printing much more efficient.

---

### Product range SIMONA® COPLAST-AS Sheets

<table>
<thead>
<tr>
<th>Coextruded Sheets (formats/thicknesses in mm)</th>
<th>SIMONA® COPLAST-AS</th>
<th>SIMONA® COPLAST-AS-X</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,000 x 1,000</td>
<td>8 to 12</td>
<td></td>
</tr>
<tr>
<td>2,440 x 1,220</td>
<td>8 to 12</td>
<td></td>
</tr>
<tr>
<td>3,000 x 1,000</td>
<td>8 to 30</td>
<td></td>
</tr>
<tr>
<td>3,050 x 1,220</td>
<td>8 to 24</td>
<td>6 to 19</td>
</tr>
<tr>
<td>3,050 x 1,500</td>
<td>8 to 24</td>
<td>3 to 19</td>
</tr>
<tr>
<td>Colours (outer skins/core)</td>
<td>white/white</td>
<td>white /grey</td>
</tr>
</tbody>
</table>

Various formats and thicknesses available from stock. Please contact our sales department for further details concerning availability: sales@simona.de.

Other formats, thicknesses and colours available on request.

Other products: COPLAST-COLOR, COPLAST-AR-X (with anti-slip properties) and COPLAST-AS/-X/-FR (low flammability)
# SIMONA® COPLAST-AS Material specifications

<table>
<thead>
<tr>
<th>Material specifications</th>
<th>SIMONA® COPLAST-AS</th>
<th>SIMONA® COPLAST-AS-X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density, g/cm³, DIN EN ISO 1183</td>
<td>0.67</td>
<td>0.67</td>
</tr>
<tr>
<td>Yield stress, MPa, DIN EN ISO 527</td>
<td>18</td>
<td>23</td>
</tr>
<tr>
<td>Elongation at yield, %, DIN EN ISO 527</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Tensile modulus of elasticity, MPa, DIN EN ISO 527</td>
<td>1,100</td>
<td>1,100</td>
</tr>
<tr>
<td>Flexural modulus of elasticity, MPa, DIN EN ISO 178</td>
<td>1,400</td>
<td>1,400</td>
</tr>
<tr>
<td>Impact strength, kJ/m², DIN EN ISO 178</td>
<td>23</td>
<td>19</td>
</tr>
<tr>
<td>Shore hardness D (15 s), DIN EN ISO 179</td>
<td>70</td>
<td>68</td>
</tr>
<tr>
<td>Mean coefficient of linear thermal expansion, K⁻¹, ISO 11359-2</td>
<td>0.83 x 10⁻⁴</td>
<td>0.83 x 10⁻⁴</td>
</tr>
<tr>
<td>Specific surface resistance, Ohm, DIN EN ISO 868</td>
<td>≤10¹²</td>
<td>≤10¹²</td>
</tr>
<tr>
<td>Fire behaviour, DIN 4102</td>
<td>B2 normal flammability (self-assessment without test certificate), B1 low flammability 10 mm on request</td>
<td>B2 normal flammability (self-assessment without test certificate), B1 low flammability 3 - 8 mm on request</td>
</tr>
<tr>
<td>Temperature range, °C</td>
<td>0 to + 60</td>
<td>0 to + 60</td>
</tr>
<tr>
<td>Physiologically safe</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

**SIMONA AG**
Teichweg 16
55606 Kirn
Germany
Phone: +49 (0) 67 52 14-0
Fax: +49 (0) 67 52 14-211
mail@simona.de
www.simona.de

**SIMONA ENGINEERING PLASTICS**
Guangdong Co. Ltd.
No. 368 Jinju Road
High & New Technology Industrial Development Zone
Jiangmen, Guangdong
China 529000

**SIMONA AMERICA INC.**
301 Power Boulevard
Archbald, PA 18403
USA

**Boltaron Inc.**
A SIMONA Group Company
One General Street
Newcomerstown, OH 43832
USA

**SALES OFFICES**

**SIMONA S.A.S. FRANCE**
Z. I. rue du Plant Leger
95335 Domont Cedex
France
Phone: +33 (0) 1 39 35 4949
Fax: +33 (0) 1 39 91 05 58
mail@simona-fr.com
www.simona-fr.com

**SIMONA UK LIMITED**
Telford Drive
Brookmead Industrial Park
Stafford ST16 3ST
England
Phone: +44 (0) 1785 22 2444
Fax: +44 (0) 1785 22 20 80
www.simona-uk.com

**SIMONA S.R.L. SOCIETÀ UNIPERSONALE**
Via Volontari del Sangue 54a
20093 Cologno Monzese (MI)
Italy
Phone: +39 (0) 2 508520
Fax: +39 (0) 2 508520
commerciale@simona-it.com
www.simona-it.com

**SIMONA IBERICA SEMIELABORADOS S.L.**
Palllova 510/11a
19000 Barcelona
Spain
Phone: +34 93 635 4103
Fax: +34 93 630 88 90
mail@simona-es.com
www.simona-es.com

**SIMONA POLSKA Sp. z o.o.**
ul. Wrocławska 36
55-020 Żórawina
Poland
Phone: +48 (0) 71 3 52 80 20
Fax: +48 (0) 71 3 52 81 40
mail@simona-pl.com
www.simona-pl.com

**SIMONA FAR EAST LIMITED**
Room 501, 5/F
CCT Telecom Building
11 Wo Shing Street
Fo Tan, Hong Kong
China
Phone: +852 29 47 01 93
Fax: +852 29 47 01 98
sales@simona-hk.com
www.simona-cn.com

**SIMONA ENGINEERING PLASTICS TRADING (Shanghai) Co. Ltd.**
Room C, 19/F, Block A
Jia Fu Mansion
129 Da Tian Road, Jing An District
Shanghai
China 200041
Phone: +86 21 6267 0881
Fax: +86 21 6267 0885
simona@simona-cn.com
www.simona-cn.com

**SIMONA AMERICA INC.**
101 Power Boulevard
Archbald, PA 18403
USA
Phone: +1 866 501 2992
Fax: +1 800 522 4857
mail@simona-america.com
www.simona-america.com

**Boltaron Inc.**
A SIMONA Group Company
1 General Street
Newcomerstown, OH 43822
USA
Phone: +1 800 342 7444
Fax: +1 740 498 5448
info@boltaron.com
www.boltaron.com

**Material specifications**

- **Density, g/cm³, DIN EN ISO 1183**: 0.67
- **Yield stress, MPa, DIN EN ISO 527**: 18
- **Elongation at yield, %, DIN EN ISO 527**: 3
- **Tensile modulus of elasticity, MPa, DIN EN ISO 527**: 1,100
- **Flexural modulus of elasticity, MPa, DIN EN ISO 178**: 1,400
- **Impact strength, kJ/m², DIN EN ISO 178**: 23
- **Shore hardness D (15 s), DIN EN ISO 179**: 70
- **Mean coefficient of linear thermal expansion, K⁻¹, ISO 11359-2**: 0.83 x 10⁻⁴
- **Specific surface resistance, Ohm, DIN EN ISO 868**: ≤10¹²
- **Fire behaviour, DIN 4102**: B2 normal flammability (self-assessment without test certificate), B1 low flammability 10 mm on request
- **Temperature range, °C**: 0 to + 60
- **Physiologically safe**: —