

SIMONA



SIMONA[®] COPLAST-AS

Coextruded PVC foam sheets
for indoor and outdoor applications

SIMONA® COPLAST-AS – Versatility breeds success



SIMONA® COPLAST-AS is a coextruded PVC foam sheet consisting of high-quality outer skins and a white foam core. By contrast, SIMONA® COPLAST-AS-X comes with a grey foam core. COPLAST-AS is designed to deliver a sophisticated, premium-quality appearance. In addition, it combines good rigidity with UV and weather stability, making it the perfect solution for outdoor applications.

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

- Sawing
- Bolting
- Drilling
- Riveting
- Backing/Laminating
- Water-jet cutting
- Glueing
- Hot forming
- Cold curving
- Printing
- Spray painting
- Milling

SIMONA® COPLAST-AS Product range

Product range

		SIMONA® COPLAST-AS	SIMONA® COPLAST-AS-X
	2000 x 1000	8 to 30	6 to 19
	2440 x 1220	8 to 24	6 to 19
	3000 x 1000	8 to 30	
	3050 x 1000	8 to 30	
	3050 x 1220	8 to 24	6 to 19
	3050 x 1500	8 to 24	3 to 19
	Colours	white	white ^①

① white outer skins with grey core.

Dimensions in mm.

Sheets in various sizes and thicknesses available ex stock.

Other products: COPLAST-COLOR and COPLAST-AR-X (with anti-slip properties).

Please contact our sales department for further details.



+ Light but sturdy

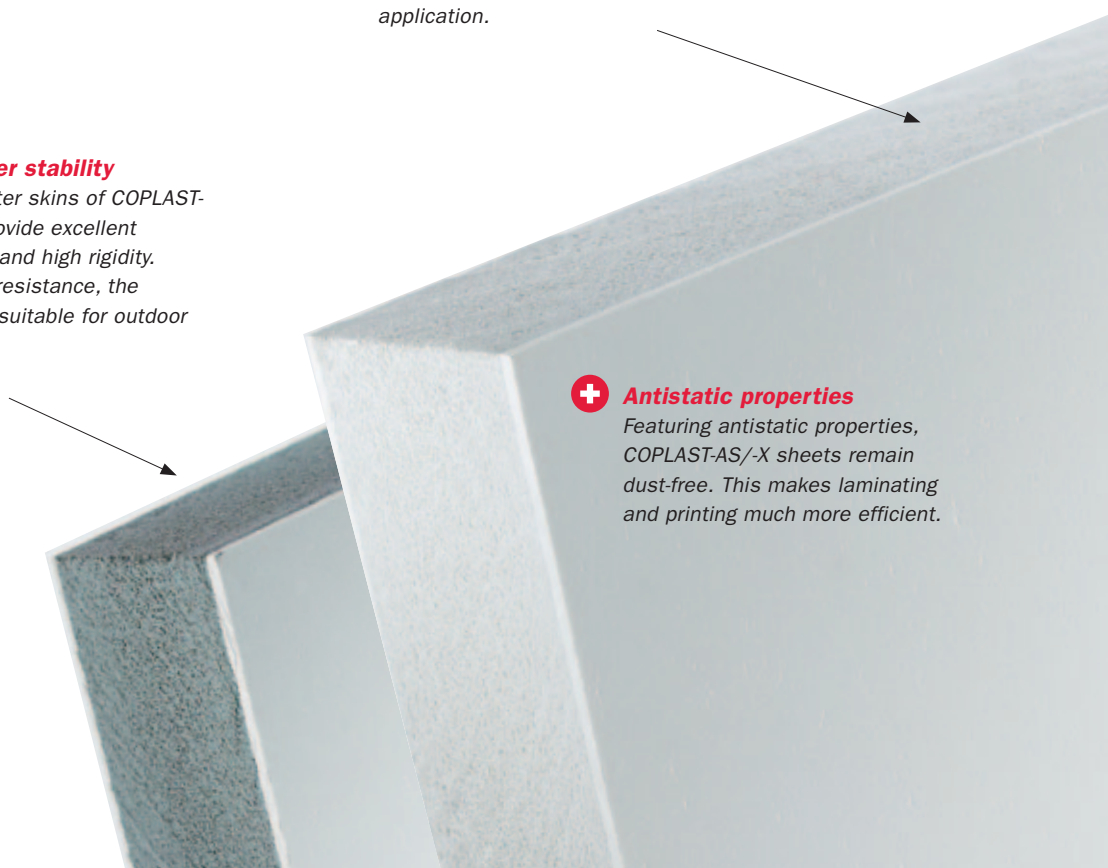
The foamed interior is extremely light. At the same time, COPLAST-AS/-X sheets offer good dimensional stability – a key advantage in many fields of application.

+ 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.



SIMONA® COPLAST-AS Material specifications

Material specifications	SIMONA® COPLAST-AS	SIMONA® COPLAST-AS-X
Density, g/cm ³	0.670	0.670
Yield stress, MPa	18	23
Elongation at yield, %	3	3
Elongation at break, %	14	15
Tensile modulus of elasticity, MPa	1100	1100
Impact strength, kJ/m ²	23	19
Ball indentation hardness, MPa	16	16
Shore hardness, D	70	68
Mean coefficient of linear thermal expansion, K ⁻¹	$0.8 \cdot 10^{-4}$	$0.8 \cdot 10^{-4}$
Thermal conductivity, W/m · K	0.068	0.068
Specific surface resistance, Ohm	10 ¹²	10 ¹²
Physiologically safe as per BfR, EU regulations and FDA	no	no
Fire behaviour DIN 4102 with B1 Test Certificate	low flammability for 10 mm on request	normal flammability
Temperature range, °C	0 to + 60	0 to + 60

As one of the world's leading manufacturers of semi-finished thermoplastics and finished parts, SIMONA offers you best-in-class product quality and exceptional engineering expertise.

Our Quality and Environmental Management system is certified in accordance with DIN EN ISO 9001 : 2008 and DIN EN ISO 14001 : 2005.



With the compliments of:

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