

SIMONA



SIMONA[®] COPLAST-AS
Coextruded PVC foam sheets
for indoor and outdoor applications

GLOBAL THERMOPLASTIC SOLUTIONS

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

	Sawing
	Bolting
	Drilling
	Riveting
	Backing/laminating
	Gluing
	Warm bending
	Cold curving
	Printing
	Spray painting
	Milling

+ 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.



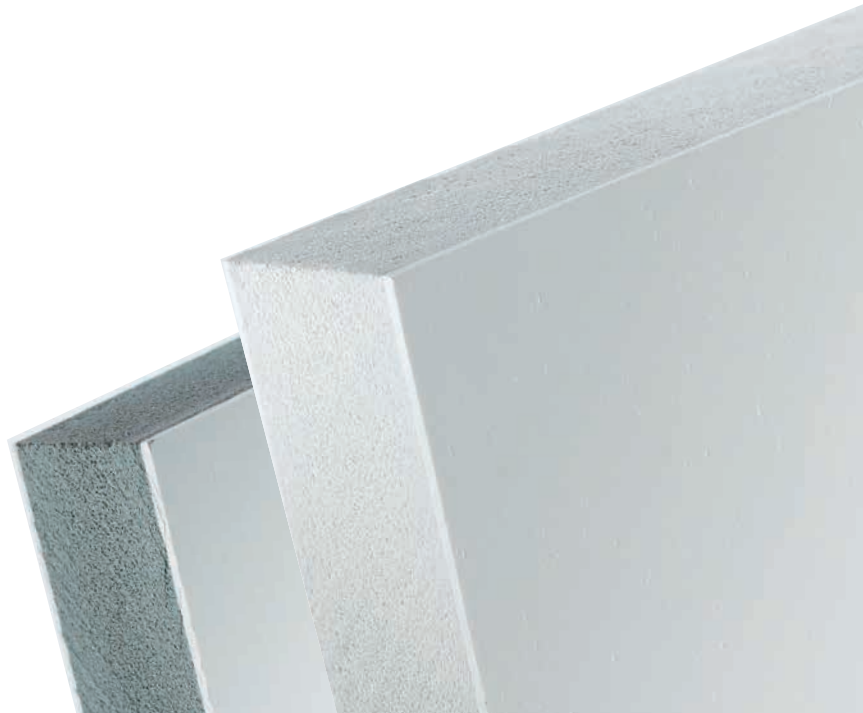
Product range SIMONA® COPLAST-AS Sheets

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

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 propertie) and COPLAST-AS(-X)-FR (low flammability)



SIMONA® COPLAST-AS

Material specifications



Material specifications

	SIMONA® COPLAST-AS	SIMONA® COPLAST-AS-X
Density, g/cm ³ , DIN EN ISO 1183	0.67	0.67
Yield stress, MPa, DIN EN ISO 527	18	23
Elongation at yield, %, DIN EN ISO 527	3	3
Tensile modulus of elasticity, MPa, DIN EN ISO 527	1,100	1,100
Flexural modulus of elasticity, MPa, DIN EN ISO 178	1,400	1,400
Impact strength, kJ/m ² , DIN EN ISO 179	23	19
Shore hardness D (15 s), DIN EN ISO 868	70	68
Mean coefficient of linear thermal expansion, K ⁻¹ , ISO 11359-2	0.83 x 10 ⁻⁴	0.83 x 10 ⁻⁴
Specific surface resistance, Ohm, DIN IEC 60093	≤10 ¹²	≤10 ¹²
Fire behaviour, DIN 4102	B2 normal flammability (self-assessment without test certificate), B1 low flammability 10 mm on request	B2 normal flammability (self-assessment without test certificate), B1 low flammability 3 – 8 mm on request
Temperature range, °C	0 to +60	0 to +60
Physiologically safe	–	–

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