

A GENUINE ALL-ROUNDER



SIMONA® CELPLAST® is the product of choice wherever compact surfaces and ease of handling are a must. Offering the benefits associated with efficient and versatile processing, the rigid PVC sheet features a smooth and compact outer skin. Despite its low weight, it boasts enormous stability and a high-quality finish.

UNLIMITED CREATIVITY

Thanks to its low weight and ease of processing, SIMONA® CELPLAST® is the perfect choice when it comes to creating personalised interiors. Its visual appeal and simple handling will take your interior designs to the next level.

WIDE RANGE OF APPLICATIONS

CONSTRUCTION

- Room interiors and design
- Interior fittings
- Furniture
- Bathrooms and wet areas

EXHIBITION STANDS, SHOP & POS DESIGN

- Shelving
- Cabinets
- Display design
- Signage (screen printing/foil lamination)

CLADDING AND LINING FOR

- Vehicle interiors
- Camper vans, caravans
- Shipbuilding
- Model building

MOBILE LIVING AND WORKING

- Container lining
- Mobile homes

COST-EFFECTIVE AND FLEXIBLE

For interior design, rigid PVC sheets are a cost-effective alternative to traditional building materials. New builds and rebuilds can be realised quickly and flexibly. Whether for exhibition stands or shop fitting, the interior fitting of container solutions, car interiors, furniture making or door and window installations, SIMONA® CELPLAST® is an extremely versatile product.

Product characteristics such as high durability and resistance to moisture, as well as an easy-care surface, offer new design options.

High stability and enormous weight savings not only reduce workload and transport costs – thanks to versatile processing capacity and ease of handling there are no limits to your creativity.



TECHNICAL DATA

Density, g/cm ³ , DIN EN ISO 1183	0.50
Tensile modulus of elasticity, MPa	600
Yield stress, MPa, DIN EN ISO 527	9
Elongation at yield, %, DIN EN ISO 527	12
Flexural modulus of elasticity, MPa, DIN EN ISO 178	900
Flexural strength, MPa, DIN EN ISO 178	18
Impact strength, kJ/m ² , DIN EN ISO 179	8
Shore hardness D (1.5 s), DIN EN ISO 868	60
Ball indentation hardness, MPa, DIN EN ISO 2039-1	15
Resistance to withdrawal of screws (edge), N, based on DIN EN 320	4,500
Resistance to withdrawal of screws (surface), N, based on DIN EN 320	1,500 – 2,400
Mean coefficient of linear thermal expansion, K ⁻¹ , ISO 11359-2	0.7 x 10 ⁻⁴
Surface resistivity, Ohm, DIN IEC 60093	≥ 10 ¹³
Temperature range, °C	0 to +60
Fire behaviour DIN EN 13501-1	B s2 d0

All specifications are deemed to be approximate values in respect of the specific material and may vary depending on the processing methods used. Suitability of materials for a specific field of application must be assessed by the party responsible for processing or the end-user. All technical specifications presented herein are designed merely to provide assistance in terms of project planning. They do not constitute a guarantee of specific properties or qualities.

GLOBAL THERMOPLASTIC SOLUTIONS

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SUSTAINABILITY

Rigid PVC sheets are a very durable product. They do not contain any hazardous toxic substances and therefore do not have to be labelled as such. Foamed PVC sheets do not contain any substances classified as SVHC, plasticisers or biocides. Foamed PVC sheets can be readily recycled using standard PVC recycling processes and can therefore be easily returned to the closed-loop material cycle.

More information on disposing of SIMONA® CELPLAST® is provided in the "Safety Data Sheet as per 1907/2006/EC Article 31", which you will find in the download centre on our website.

SIMONA
PLASTECH



ADVERTISING & BUILDING

SIMONA® CELPLAST®

Light, sturdy, multifunctional:
the rigid PVC sheet for a wide range
of applications

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GLOBAL THERMOPLASTIC SOLUTIONS

SIMONA® CELPLAST® – LIGHT, STURDY, MULTIFUNCTIONAL

Are you looking for an innovative yet versatile solution for your design ideas? Then SIMONA® CELPLAST® is the ideal choice. The rigid PVC sheet, manufactured using the Celuka process, offers a wide range of impressive properties and universal applications. SIMONA® CELPLAST® can be machined and processed readily with standard tools and is the perfect complement to our product range for the building and advertising sectors.















IMPRESSIVE ACROSS THE BOARD

- High rigidity and stability
- High-quality, satin-finished, hard surface
- Suitable for indoor use
- Extremely light and easy to handle
- Strong and durable
- Moisture- and mould-resistant
- Insect- and pest-resistant
- Easy to clean thanks to homogeneous hard surface
- Low water absorption and no swelling
- Chemical and corrosion resistant
- Good insulation properties (low conductivity, high insulation values)
- Low thermal coefficient of linear expansion
- Good fire behaviour (low flammability, no burning droplets)
- 100% recyclable



The firm, smooth surface creates a satin-like effect.

SUPERIOR PROCESSING OPTIONS

 Printing	 Backing, laminating	 Spray-painting	 Sawing	 Milling	 Cutting
 Water jet cutting	 Pressing	 Screwing	 Drilling	 Bonding	 Hot forming

WHAT MAKES SIMONA® CELPLAST® SO STURDY?

SIMONA® CELPLAST® is produced in what is known as the Celuka process. This manufacturing technique delivers a light, rigid PVC sheet with a smooth and compact surface structure. SIMONA® CELPLAST® offers a very narrow thickness tolerance over its entire width and is therefore exceptionally flat. Even in the centre of the sheet, this innovative construction material has a fine, high-quality foam structure. This makes the sheets light and at the same time very sturdy, despite their low weight.



COLOUR

- White

PRODUCT RANGE SIMONA® CELPLAST®

Extruded sheets (dimensions/thickness in mm)		
	3,050 x 1,220	10 to 24

Non-standard sizes on request

