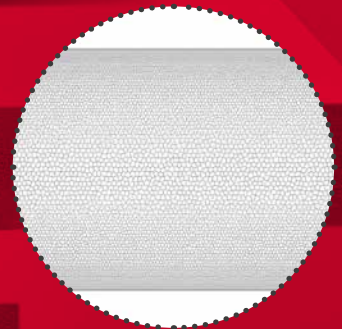


ADVERTISING & BUILDING

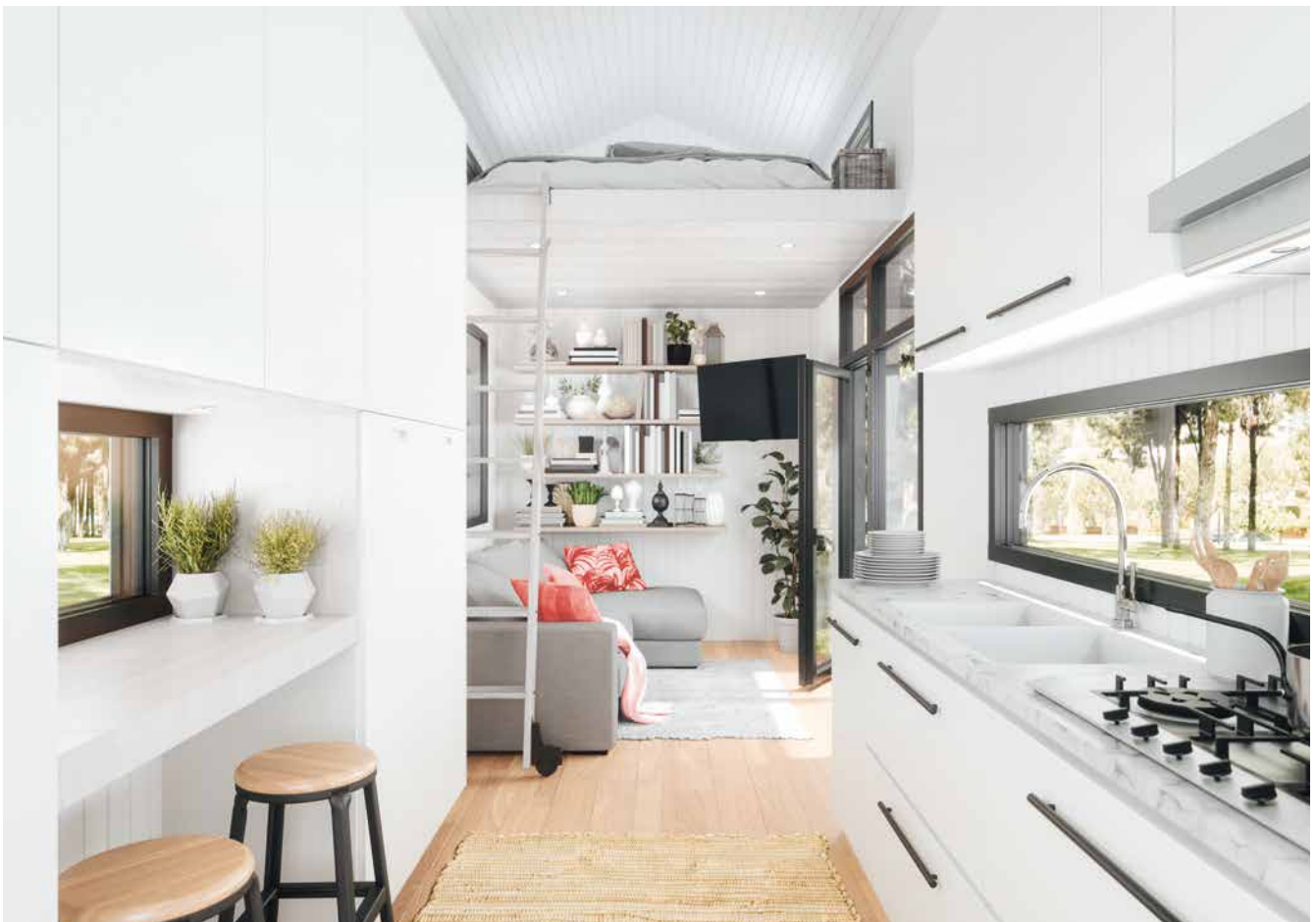
SIMONA[®] CELPLAST[®]

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



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.



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 easy processing, SIMONA® CELPLAST® is ideal for creating customised installations. Its attractive appearance and effortless handling take your designs to the next level. SIMONA® CELPLAST® 2542 is available in two variants: CELPLAST® 9002 for indoor and CELPLAST® 2542 for outdoor applications – offering the right solution for a wide range of requirements.

WIDE RANGE OF APPLICATIONS

CONSTRUCTION

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

EXHIBITION STANDS, SHOP & POS DESIGN

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

CLADDING AND LINING FOR

- Vehicle interiors
- Camper vans, caravans
- Boat and shipbuilding
- Model building
- Ambulances



COST-EFFECTIVE AND FLEXIBLE

PVC Foam Sheets are a smart, cost-effective alternative to traditional materials – ideal for both indoor and outdoor applications. They enable faster, more flexible execution of new builds and renovations across a wide range of industries.

From exhibition and shop fitting to container and vehicle interiors, furniture manufacturing, and door and window installations, all the way to outdoor signage and shipbuilding – CELPLAST® stands out for its versatility and reliable performance.

Thanks to its high durability, moisture resistance, and easy-to-clean surface, CELPLAST® unlocks new design possibilities. Its excellent stability and lightweight composition help reduce labor and transport costs – while its ease of processing and handling puts no limits on your creativity.

MOBILE LIVING AND WORKING

- Container lining
- Mobile homes





IMPRESSIVE ACROSS THE BOARD

- High rigidity and stability
- High-quality, satin-finished, hard surface
- Suitable for indoor (CELPLAST® 9002) and outdoor use (CELPLAST® 2542)
- 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)
- Good fire behaviour (low flammability, no burning droplets)
- 100% recyclable



SUPERIOR PROCESSING OPTIONS



Printing



Backing,
laminating



Spray-
painting



Sawing



Milling



Cutting



Water jet
cutting



Pressing



Screwing



Drilling



Bonding

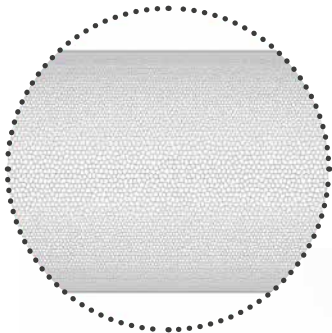


Hot forming



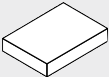
WHAT MAKES SIMONA® CELPLAST® SO STURDY?

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 very sturdy despite their low weight.

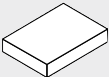


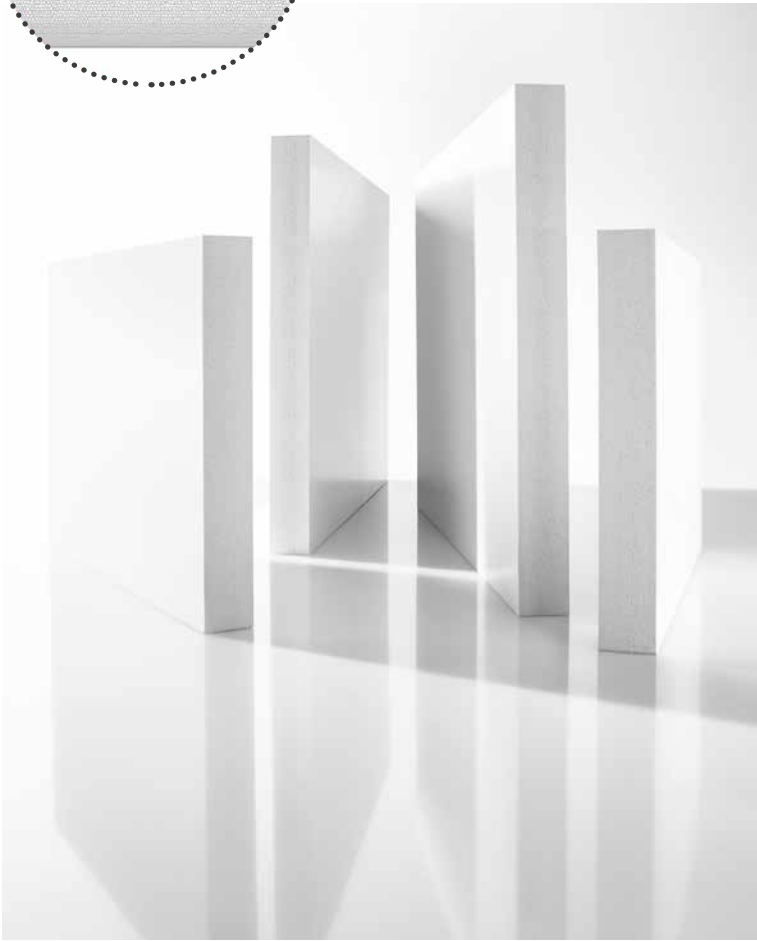
Product range

SIMONA® CELPLAST® 9002
(Standard white)

Extruded sheet (dimension/thickness in mm)		
	3,050 x 1,220	10 to 24
	3,050 x 1,560	10 to 19
Protective film on one side / Non-standard sizes on request		

SIMONA® CELPLAST® 2542
(similar to RAL 9016)

Extruded sheet (dimension/thickness in mm)		
	3,000 x 1,250	10 to 24
	3,000 x 1,560	10 to 19
Protective film on both sides / Non-standard sizes on request		



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 (15 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 EN 61340	≥ 10 ¹³
Temperature range, °C	0 to +60
Fire behaviour DIN EN 13501-1	B s2 d0
Fire behavior NF P 92-501	M1*

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.

* CELPLAST® 2542: 10, 19, 24 mm

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.

GLOBAL THERMOPLASTIC SOLUTIONS

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simona.de/worldwide



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