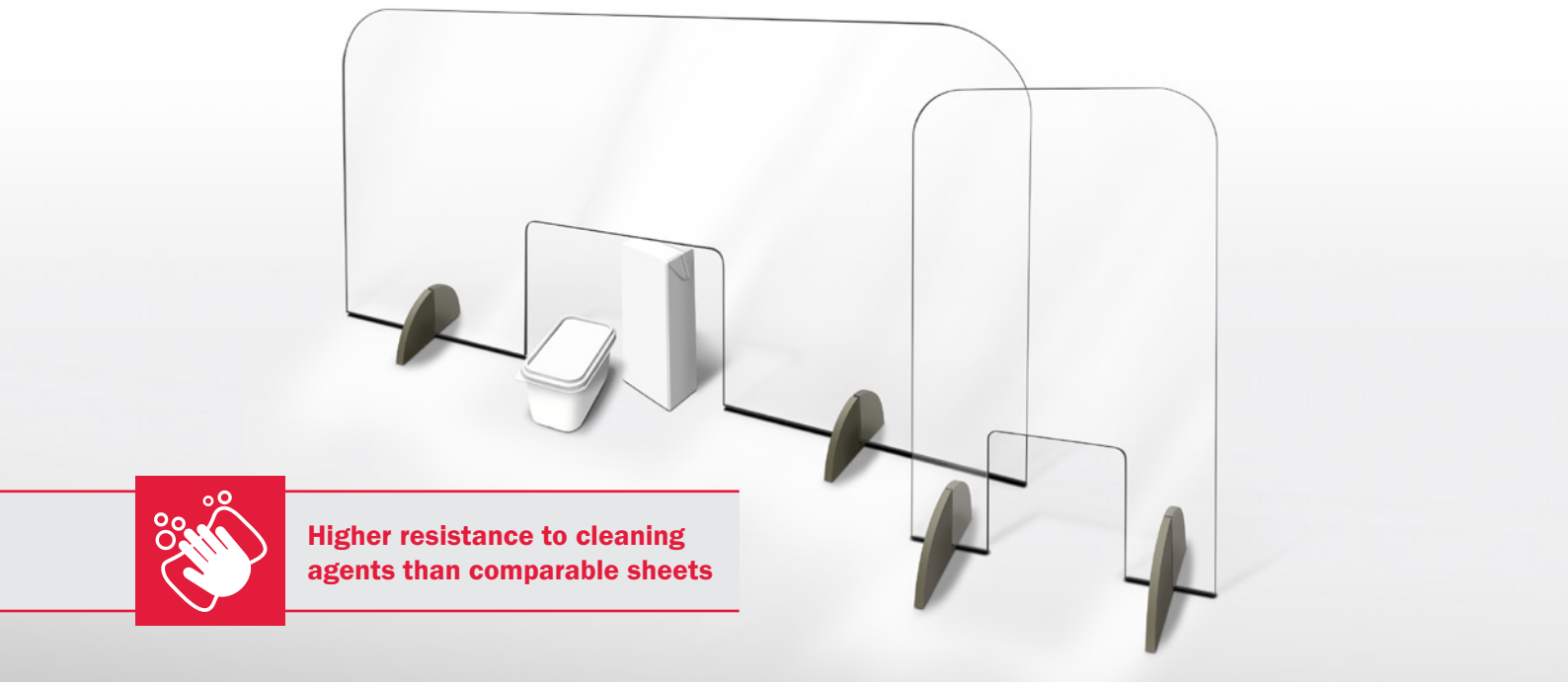
Transparently safe

SIMONA's transparent materials protect against infection

Transparent screens in public buildings and shops play a key role in slowing the spread of infectious diseases – without obstructing our view. Protect your employees, customers and visitors with transparent sheets from SIMONA.



Higher resistance to cleaning agents than comparable sheets

Mobile infection screens using transparent SIMONA sheets

SIMOLUX

Our crystal-clear, break-proof copolyester sheet made of PETG is ideal for use as a protective screen: The material has low flammability, is easy to clean and combines high impact strength with excellent processing and thermoforming properties.

Product benefits

- Low flammability (DIN 4102 B1)
- Physiologically safe (BfR/German Federal Institute for Risk Assessment) and food compliant (FDA, EU 10/2011)
- Crystal-clear and ultra-transparent
- Very good printability and adhesion
- Impact resistant and break-proof
- Very good deep-drawing and thermoforming properties
- Good chemical resistance
- Resistant to low temperatures
- Suitable for use in medical devices

SIMONA® PVC-GLAS / SIMONA® PVC-GLAS clear

Both sheets demonstrate their strengths in a number of areas, including excellent resistance to cleaning agents and high cost-effectiveness. Our standard PVC-GLAS comes in a subtle transparent blue shade with up to 88 % light transmission. PVC-GLAS clear (available on request) is neutral, ultra-transparent and has slightly higher impact strength.

Product benefits

- Clear with very high light transmission
- Low flammability (self-extinguishing)
- Very cost-effective
- Very easy to process
- High chemical resistance and easy to clean
- Free of plasticisers, lead and cadmium
- RoHS compliant

SIMOLUX and SIMONA® PVC-GLAS

Instructions for use

Anti-infection and counter screens made of SIMOLUX and SIMONA® PVC-GLAS are an effective means of protecting against infection via droplets. Both of these ultra-transparent materials help you to meet the latest hygiene regulations as long as they are installed without tension or bending and cleaned daily with a short contact-time disinfectant. Ideally, the plastic screens should be fitted into U-rails with rubber sealing lips. This keeps the risk of stress cracks to a minimum.

ⓘ Questions about how to process, use and clean our products? Our Technical Service Centre will be happy to help.
tsc@simona.de

Cleaning

Due to their high chemical resistance, PETG and PVC are more resistant to cleaning agents and disinfectants than other transparent plastics. For both products, use a soft, damp cloth or sponge to remove surface dirt such as dust. Never use a dry cloth, but use warm water mixed with soap or detergent. This protects the surface and helps it to maintain its transparent appearance.

For heavier soiling, solutions containing ethanol or isopropanol can be used as long as the screen is not under tension. If you are unsure about the suitability of a detergent or disinfectant, we recommend testing on a small sample, which we can provide on request.

SIMOLUX PETG and SIMONA® PVC-GLAS compared to other transparent materials

	PETG	PVC-GLAS	PMMA	Polycarbonate	A-PET
Fire behaviour	+++	+++	+	++	+++
Food conformity	+++	o	+	+	+++
Temperature range	++	+	++	+++	++
Ease of processing	+++	++	+	++	+
Chemical resistance	++	+++	o	+	+
Impact strength	++	o	o	+++	+
Cost-effectiveness	++	+++	++	o	++

+++ Excellent performance
++ Very good performance
+ Good performance
o Mid-range performance

Product range

Extruded sheets	SIMOLUX	PVC-GLAS
2000 x 1000 mm	1–15 mm	1–15 mm
2050 x 1250 mm	2–12 mm	
3000 x 1500 mm		1–10 mm
3050 x 1500 mm	2–12 mm	
3050 x 2050 mm	2–10 mm	

Other sizes and thicknesses available on request. The product range also includes matching welding rods.

SIMONA is a co-initiator and holder of the “PVC Sheet Quality – Made in Germany” quality seal awarded by pro-K Industrieverband Halbzeuge und Konsumprodukte aus Kunststoff e. V.

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