



IMPACTPRO® WHITE

Hygienic Wall Cladding

Technical Data Sheet - 2.5mm uPVC wall protection system

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PRODUCT DEFINITION & KEY PERFORMANCE

Product definition

IMPACTPRO® White is a 2.5mm uPVC hygienic wall cladding sheet intended for internal wall applications where a durable, impervious and easy-to-clean surface is required. The system is designed for use with compatible profiles, adhesive, silicone and weld rod, and can be cut, formed, bonded and heat welded in accordance with the installation guide.

Parameter	Value	Details
Material	uPVC	Rigid hygienic wall cladding sheet
Thickness	2.5mm	Nominal sheet thickness
Standard sheet sizes	2500 x 1220mm; 3050 x 1220mm	Standard supplied sheet sizes
Maximum service temperature	60°C	Maximum service temperature
Lower temperature limit	0°C	Lower service temperature
Food compliance - EU	Yes	EU 10/2011
Surface finish	Smooth hygienic finish	Protective film retained during installation

Physical & mechanical properties

Property	Test method	Result	Unit
Specific gravity	DIN ISO 1183	1.45	g/cm ³
Water absorption to saturation at 23°C	MSZ EN ISO 62	0.20	%
Tensile strength	DIN EN ISO 527-1,2	>45	MPa
Elongation at yield	EN ISO 527	>45	%
Tensile strength at break	DIN EN ISO 527	>20	MPa
Unnotched impact strength	DIN EN ISO 178	No break	kJ/m ²
Notched impact strength	DIN EN ISO 179	No break	kJ/m ²
Shore D hardness	DIN EN ISO 868	68	-
Tensile modulus of elasticity	ISO 527-1,2	>2500	MPa

THERMAL, ELECTRICAL, FIRE & COMPLIANCE DATA

Property	Test method	Result	Unit
Vicat softening point VST/B/50	DIN EN ISO 306	70	°C
Coefficient of linear thermal expansion 23°C-100°C	DIN 53752	0.7	m/(m.K)
Thermal conductivity at 23°C	DIN 52612	0.2	W/mK
Surface resistivity	DIN 53482	10 ¹³	Ω
Dielectric strength	MSZ EN 60243-1	18	kV/mm
Food compliance - FDA	FDA	No	-
Food compliance - EU	EU 10/2011	Yes	-

Fire performance

Test / standard	Result
UL 94	V-0
DIN 4102	B1
NFP 92-501(F)	M1
BS 476 Part 6	Class 0
BS 476 Part 7	Class 1

DESIGN, INSTALLATION & HANDOVER CRITERIA

Substrate and environmental requirements

- Substrate to be flat, sound, clean, dry and free of contamination. Fill imperfections before cladding.
- Painted surfaces may be suitable subject to adhesion testing. Plastered surfaces must be dust-free.
- Minimum recommended installation-area temperature: 14°C.
- Store sheets flat in the installation room for approximately 24 hours before fitting.

Jointing, expansion and complete-system details

- Allow approximately 3mm expansion clearance at inflexible supports including door frames, ceilings and skirting.
- For heat-welded joints, allow approximately 1.5mm sheet-to-sheet joint gap for the weld rod.
- Internal and external corners may be completed using compatible profiles or thermoformed sheet details.
- Bond sheets using the current approved IMPACTPRO® / compatible adhesive system and follow its Technical Data Sheet and Safety Data Sheets.
- Retain protective film during installation and remove only when installation work is complete and the area is ready for final cleaning.

Cleaning and maintenance

- Routine cleaning: soft cloth with mild soap / detergent; do not exceed 60°C cleaning-solution temperature.
- Avoid abrasive cleaners and aggressive solvents unless compatibility has been confirmed.
- Where pressure cleaning is appropriate, maintain a minimum 600mm nozzle distance from the sheet surface.