



IMPACTPRO® WHITE

Technical Resource Pack

Technical data - installation - cleaning - specification - system components

DOCUMENT	IMP-WH-TRP-001
REVISION	Rev C
ISSUE DATE	10 August 2026

PACK CONTENTS

Document	Reference
Technical Data Sheet	IMP-WH-TDS-001
Installation Guide	IMP-WH-IG-001
Cleaning & Maintenance Guide	IMP-WH-CM-001
Specifier & Project Guide	IMP-WH-SPG-001
System Components & Jointing Guide	IMP-WH-SCJ-001

Document purpose

This pack consolidates IMPACTPRO® White technical information for project submittals, installation, handover and maintenance, formatted for website download, tender submissions and O&M; documentation.



IMPACTPRO® WHITE

Hygienic Wall Cladding

Technical Data Sheet - 2.5mm uPVC wall protection system

DOCUMENT	IMP-WH-TDS-001
REVISION	Rev C
ISSUE DATE	10 August 2026

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.



IMPACTPRO® WHITE

Installation Guide

Preparation - profiles - bonding - jointing - thermoforming - heat welding - handover

DOCUMENT	IMP-WH-IG-001
REVISION	Rev C
ISSUE DATE	10 August 2026

BEFORE INSTALLATION

Critical pre-installation checks

- Confirm sheet batch consistency where a uniform appearance is required; do not mix visibly different production batches within the same area.
- Keep all sheets in the same orientation through the installation so any surface direction remains consistent.
- Store sheets flat and condition in the installation room for approximately 24 hours.
- Maintain a minimum recommended installation temperature of 14°C.
- Confirm substrates are flat, sound, dry, clean and free from dust, grease, release agents and contamination.
- Plan datum lines, corners, openings, joint positions and profile locations before cutting any sheet.

Recommended tools

Setting / measuring	Cutting / finishing	Bonding / site
Laser level; spirit level; tape measure; chalk line	Jigsaw; hacksaw; knife; tenon saw; round / square files; hole cutter	Mixing paddle; 6mm notched trowel; rubber mallet; clean workbench

PROFILES AND EDGE DETAILS

Profile gallery - actual IMPACTPRO® components



External Angle

External-angle finishing profile.



1-Part Joiner

Single-part divider / joiner profile.



2-Part Joiner

Two-part joiner / transition profile.



1-Part Capping

Single-part edge / capping profile.



2-Part Capping

Two-part edge / capping profile.



Internal Angle

Internal-angle finishing profile.



Small External Corner

Compact external-corner profile.



Small Internal Corner

Compact internal-corner profile.

SHEET PREPARATION AND BONDING

1. Mark and dry-fit

- Inspect the sheet before marking. Mark datum and cut lines on the protective-film side.
- Cut to size using appropriate tooling and PPE.
- Peel protective film back approximately 50mm from edges where required for insertion into profiles. Do not remove the full film at this stage.
- Dry-fit and confirm approximately 3mm expansion clearance at inflexible supports.

2. Adhesive application

- Use the current approved two-part polyurethane cladding adhesive for the project and substrate.
- Follow adhesive packaging, Technical Data Sheet and current Safety Data Sheets for mixing, pot life, open time, PPE and ventilation.
- The supplied installation guide describes application to the sheet back with a 6mm notched trowel, working outwards from the centre.

3. Fixing sequence

- Present the sheet to the substrate carefully and work from the centre outwards to achieve full contact and minimise trapped air.
- Check datum, joint gap and alignment before the adhesive takes initial set.
- Remove adhesive contamination immediately in accordance with the adhesive manufacturer instructions.

JOINTING, CORNERS AND EXPANSION

Heat-welded joints

- Allow approximately 1.5mm gap between sheets for the weld rod.
- Keep the joint and weld rod clean and free of contamination.
- Set welding temperature / speed to the equipment, ambient conditions and material. Make a test weld before production work.
- Allow the weld to cool before trimming. Final trimming should leave the weld flush without cutting into the sheet face.

Thermoformed corners

- Internal and external corners may be formed from the sheet using a thermoformer where the project detail requires a seamless corner.
- Source-guide marking adjustments: external-to-external dimension +6mm; internal-to-internal dimension -6mm; internal-to-external / external-to-internal use substrate measurement.
- Verify actual site geometry before forming. Source values are guidance and do not replace accurate site measurement.

Expansion

- Allow approximately 3mm at inflexible supports such as door frames, ceilings, skirting and other fixed abutments.
- Seal exposed edges and local details with compatible project-suitable silicone where required.

HANDOVER, CLEANING AND QUALITY CHECKS

Completion checklist

- All sheet joints straight, consistent and fully finished.
- All exposed edges, profiles and corners secure and sealed as detailed.
- Protective film removed only after installation is complete.
- No adhesive, silicone or weld residue on finished faces.
- Door frames, penetrations and service interfaces sealed to the project detail.
- Allow adhesive and sealant to cure before final cleaning.

Initial and routine cleaning

- Initial clean: use anti-static solution / wipes where appropriate to reduce static attraction of airborne dust.
- Routine clean: soft cloth with mild soap or detergent; cleaning solution not above 60°C.
- For stubborn contamination, use a compatible alkaline cleaner with a soft cloth.
- Where pressure cleaning is permitted, keep the nozzle at least 600mm from the sheet surface.



IMPACTPRO® WHITE

Cleaning & Maintenance Guide

Routine care, initial cleaning and hygienic surface maintenance

DOCUMENT	IMP-WH-CM-001
REVISION	Rev C
ISSUE DATE	10 August 2026

CLEANING PROCEDURE

Initial clean after installation

- Allow adhesive and sealant to cure before cleaning.
- Remove protective film only when installation work is complete.
- Clean surfaces with an anti-static solution or anti-static wipes where appropriate to reduce static build-up and dust attraction.

Routine cleaning

- Use a soft cloth with mild soap or detergent.
- Cleaning water / solution should not exceed 60°C.
- Increase cleaning frequency to suit traffic, contamination risk, healthcare protocols or food-production hygiene requirements.

Stubborn contamination

- Use a compatible alkaline cleaner with a soft cloth.
- Do not use abrasive pads or aggressive mechanical scouring.
- Avoid unverified solvents or abrasive products that may affect the sheet surface.
- Where hot-water pressure cleaning is approved, maintain at least 600mm between nozzle and sheet surface.

DO	DO NOT
Use soft, non-abrasive cloths and compatible detergents.	Use abrasive pads, wire wool or aggressive mechanical scouring.
Test unfamiliar cleaners in an inconspicuous location.	Assume all solvents / disinfectants are compatible.
Follow site-specific hygiene procedures.	Direct high-pressure cleaning close to joints, profiles or edges.
Keep cleaning records where required by the facility.	Exceed the 60°C cleaning-solution guidance without technical confirmation.



IMPACTPRO® WHITE

Specifier & Project Guide

Concise construction information for architects, contractors and project teams

DOCUMENT	IMP-WH-SPG-001
REVISION	Rev C
ISSUE DATE	10 August 2026

PRODUCT SCHEDULE

Item	Project information
Product	IMPACTPRO® White hygienic uPVC wall cladding
Nominal thickness	2.5mm
Standard sheet sizes	2500 x 1220mm and 3050 x 1220mm (current supplied IMPACTPRO® literature)
Joining options	Heat-welded joints or compatible profile-jointed system
Corners	Thermoformed sheet corners or compatible internal / external corner profiles
Adhesive	Current approved two-part polyurethane cladding adhesive system
Sealant	Compatible hygienic silicone / sealant as required by detail
Typical applications	Healthcare, education, commercial kitchens, food production, washrooms and other hygienic interiors

Substrate and installation criteria

- Substrate: flat, sound, clean, dry and free of contamination; make good defects before cladding.
- Minimum recommended installation-area temperature: 14°C.
- Condition sheets flat in the installation room for approximately 24 hours.
- Maintain approximately 3mm expansion clearance at inflexible supports.
- For heat welding, allow approximately 1.5mm sheet-to-sheet joint gap for the weld rod.
- Plan sheet orientation, datum lines, openings, profiles and corners before fixing.

SUBMITTAL & HANDOVER REQUIREMENTS

Recommended technical submittal

- Technical Data Sheet
- Installation Guide
- Cleaning & Maintenance Guide
- System Components & Jointing Guide
- Current adhesive Technical Data Sheet and Safety Data Sheets
- Applicable fire / reaction-to-fire evidence requested by the project
- Colour / finish sample where required
- Project-specific warranty / guarantee information where applicable

Quality requirements

- Use sheets of consistent visual batch within each continuous area.
- Maintain consistent orientation and joint alignment.
- Complete corners, profiles, service penetrations and terminations to a clean, sealed hygienic finish.
- Protect finished cladding from follow-on trades until handover.

Maintenance handover

- Provide cleaning guidance and compatible-cleaner information to the end user.
- Confirm protective film removal and final clean after installation cure.
- Record any agreed project-specific cleaning or chemical-compatibility requirements.



IMPACTPRO® WHITE

System Components & Jointing Guide

Profiles, transitions, corners and jointing options for a coordinated hygienic wall system

DOCUMENT	IMP-WH-SCJ-001
REVISION	Rev C
ISSUE DATE	10 August 2026

ACTUAL PROFILE RANGE

IMPACTPRO® White profile components



External Angle

External-angle finishing profile.



1-Part Joiner

Single-part divider / joiner profile.



2-Part Joiner

Two-part joiner / transition profile.



1-Part Capping

Single-part edge / capping profile.



2-Part Capping

Two-part edge / capping profile.



Internal Angle

Internal-angle finishing profile.



Small External Corner

Compact external-corner profile.



Small Internal Corner

Compact internal-corner profile.

Profile selection

- Select profiles to suit the project detail, sheet thickness, corner type, joint type and termination condition.
- Plan profiles before cutting sheets so joint centres and termination lines remain consistent.
- Use compatible silicone / sealant at wet or hygiene-critical interfaces where required by the system detail.

REFERENCE DIMENSIONS AND JOINTING OPTIONS

Component	Reference data / use
1-part joiner	Profile dimension: 48.1mm wide x 7.2mm high.
1-part capping	Profile dimension: 30.0mm wide x 6.3mm high.
Joiner & transition top / base	Top: 20.3 x 4.7mm; base 50.0 x 5.0mm.
Capping top / transition base	Top: 14.1 x 4.9mm; base 22.6 x 5.0mm.
Internal corner - small	14.0 x 18.0mm.
Internal corner - large	35.5 x 56.1mm.
External corner	25.0 x 17.0mm.
Angle profiles	Available in 1in, 1.5in and 2in internal / external angle options.

Jointing methods

Method	Use	Key technical point
Heat welding	Seamless sheet-to-sheet joint using compatible weld rod.	Allow approximately 1.5mm joint gap; weld and trim only when correctly cooled.
Profile joint	Mechanical trim / divider joint.	Set out plumb / level and coordinate before bonding sheets.
Thermoformed corner	Formed internal / external corner without separate corner trim.	Heat-form on suitable equipment and verify site dimensions before forming.
Silicone / sealed edge	Local exposed-edge or interface detailing.	Use compatible hygienic sealant and follow cure / cleaning requirements.

COMPLETE SYSTEM & TECHNICAL SUPPORT

Complete-system approach

IMPACTPRO® White is installed as a coordinated system comprising sheet, profiles, adhesive, silicone and weld rod where specified. Use project-compatible IMPACTPRO® components throughout the installation. Where a system guarantee applies, follow the applicable written system requirements.

Technical support

For substrate suitability, profile selection, thermoforming, heat welding, jointing details, chemical compatibility or project-specific construction requirements, contact Impact Group UK before installation.

Contact	Details
Website	www.impactgroupuk.com
Email	sales@impactgroupuk.com
Telephone	0800 669 6306