



IMPACTPRO® WHITE

Installation Guide

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

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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.