



IMPACTPUR®

Two-Part PU Cladding Adhesive

Technical Data Sheet - professional polyurethane adhesive for hygienic wall cladding systems

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PRODUCT	IMPACTPUR® Two-Part PU Cladding Adhesive

PRODUCT DEFINITION & TECHNICAL PROPERTIES

Product definition

IMPACTPUR® is a two-component polyurethane adhesive formulated for bonding hygienic wall-cladding sheets. It is designed for easy mixing and notched-trowel application and is suitable for bonding uPVC and GRP sheets to common building substrates including brickwork, plaster, concrete and blockwork.

Property	Declared / published value
Product type	Two-component polyurethane wall-cladding adhesive
Part A	Polyurethane paste; high-viscosity base component
Part B	Low-viscosity liquid hardener supplied as a foil sachet within the kit
Part B dynamic viscosity	≤250 cP at 20°C
Flammability	Non-flammable
Service temperature	-40°C to +130°C
Application temperature	+10°C to +30°C
Open time	10 minutes at 20°C
Resistance	Water, dilute acids, dilute alkalis and aliphatic oils
Pack sizes	6.5kg and 8kg

Coverage

Pack / application	Typical coverage
6.5kg kit	Approximately one 2500mm wall-cladding sheet or approximately 3m ²
Coverage control	Actual coverage varies with substrate flatness, trowel notch, transfer and site conditions. Apply a continuous full bed; do not spot-bond.

Suitable substrates

- Brickwork and blockwork prepared flat, sound, clean and dry.
- Plaster and render that are fully cured, stable and free from dust or contamination.
- Concrete that is sound, dry and free from laitance, grease and release agents.
- Other compatible building substrates subject to preparation and adhesion suitability.

System compatibility

- Suitable for IMPACTPRO® White, Satin and Gloss hygienic wall-cladding systems.
- For standard White / Satin / Gloss sheet bonding, use the notched-trowel size specified in the current IMPACTPRO® installation guide.
- For IMPACTPRO® CALYX, follow the CALYX installation guide and its specified adhesive-bed / trowel requirements.

MIXING, APPLICATION & SITE REQUIREMENTS

Preparation

- Ensure the substrate is flat, stable, clean, dry and suitable for adhesive bonding.
- Remove dust, grease, loose coatings and contamination that could reduce adhesion.
- Dry-fit sheets and confirm joints, profiles, corners, penetrations and movement allowances before mixing adhesive.
- Maintain the adhesive and work area within the published application-temperature range.

Mixing

- Use the complete Part A and Part B components supplied for the kit.
- Add the Part B hardener to the Part A base and mix thoroughly using suitable mechanical mixing equipment until a uniform, homogeneous mixture is achieved.
- Do not split kits unless the component ratio can be accurately controlled in accordance with approved product instructions.

Application

- Apply the mixed adhesive evenly using the notched trowel specified for the wall-cladding system being installed.
- Maintain continuous full-bed adhesive coverage and avoid dry patches or spot-bonding.
- Install the sheet within the stated open time. At 20°C the published open time is 10 minutes.
- Present the sheet carefully, align to datum lines and roll / press the full surface to achieve complete transfer and remove trapped air.
- Temporarily support sheets or joints where required until the adhesive has developed sufficient hold.

Health & safety

Read the current Safety Data Sheets for both components before handling or mixing. Part B contains isocyanates and is intended for industrial / professional use. Complete the project COSHH assessment and provide the required ventilation, PPE and handling controls.

Storage & handling

- Keep containers closed, protected from damage and stored in suitable internal conditions.
- Do not store adhesive below 5°C.
- Keep Part A and Part B together as the matched two-component kit until use.

Cleaning & completion

- Remove fresh adhesive contamination promptly using a method compatible with the cladding surface.
- Do not disturb or load the bonded sheet until the adhesive has cured sufficiently for the installation conditions.
- Retain the Part A and Part B SDS documents with project O&M; / COSHH records.