

# Sprayable PU Canister Product Data

ClassicBond **PRO** Moisture-Curing Polyurethane Adhesive allows you to securely and professionally bond ClassicBond **PRO** membrane to a wide range of roof substrates, including tissue faced insulation board, timber, metal and other standard decks. It meets the contractor's demand for a high-performance PU adhesive, with a quick and simple application-system ideal for both large and small scale fieldwork. Specially formulated for gun application, providing contractors excellent temperature resistance (-30 to 150°C) and great aging properties, but also an application system that reduces the amount of time it takes to securely lay Fleece Reinforced EPDM membranes.



## Intended Uses

Sprayable PU Adhesive allows roofing contractors to apply adhesive and secure ClassicBond PRO membrane with less effort, fatigue and in a shorter amount of time than a standard roller applied adhesive.

## Features and Benefits

- Quick, simple and professional application: 4 x faster application and faster cure than roller applied
- Economical coverage rates: Single surface application, reduced waste
- Up to 180m<sup>2</sup> fully bonded per canister
- Exceeds BRE approved wind uplift requirements
- Minimises injury & fatigue. Reduced bending, stooping and shoulder pain

## Guidelines for Use

1. Ensure the roof substrate is dry and clean from grease, dirt and other contaminants before applying adhesive.
2. Connect hose, gun & optional flushing kit to canister in accordance with guidance below
3. Mark out the area to be bonded. Ensure the membrane is cut to size and in position.
4. Protect membrane edge/seam to be joined from becoming contaminated with adhesive.
5. Ensure the canister is spraying correctly and the spray pattern is 300mm wide.
6. Apply the adhesive ensuring an even coverage across the roof deck achieving a minimum of 50mm overlap of spray pattern.
7. Allow the solvents to evaporate from the adhesive layer for a minimum of five minutes at 20°C. NB: this time will vary depending on climatic conditions. To ensure grab, allow adhesive to become tacky, but do not allow to skin before covering.
8. Roll the membrane into the adhesive layer and consolidate the bond using a squeegee or water filled roller.

## Canister Set-up Guide

NB: It is important to set-up your Sprayable PU Canister Adhesive (the spray-system) correctly before use to ensure the best possible performance and to avoid leakage or system failure.

1. Remove the black cap from the canister valve.
2. Attach the braided-hose to the canister valve (using the small nut). Tighten with a spanner.
3. Attach the other end of the braided-hose to the spray-gun (using the large nut). Tighten with a spanner.
4. Using the locking-nut provided, attach the spray-tip to the end of the spray-gun. Carefully tighten the spray-tip.
5. Fully open the valve on the canister.
6. Pull the trigger on the spray-gun to apply the adhesive.
7. Adjust the spray pattern by turning the black valve on the spray-gun anti-clockwise until you have a spray pattern approximately 300mm in width.

## Maintenance Guide

1. Once work has been completed, turn the spray-gun off by turning the black valve clockwise until it is fully closed. Valve on canister must remain open at all times.
2. Unscrew the spray-tip and locking-nut from the spraygun.
3. Clean the spray-tip and the end of the spray-gun with solvent cleaner using a soft nylon brush to ensure that the aperture is clear. This is essential. Failure to clean the spray-tip and the end of the spray gun may result in damage to the aperture and prevent the system from working.
4. Place the spray-tip and locking-nut in a container with a small amount of solvent cleaner until it is needed. Ensure the container is closed and airtight.
5. The canister and gun will remain usable for one month after opening.

## Packaging

Supplied in cardboard carry box (450mmx330mm).

Other components required and supplied separately include: applicator gun, 3m hose, flushing kit & spray tips.

## Technical Data

Appearance	Pink	Open Time	10 minutes at 20°C
Temperature Resistance	-30°C to 150°C	Application Temperature	5°C to 30°C
Coverage Rate	<180m <sup>2</sup> per canister	Storage	5°C to 30°C
Cure Time	60 minutes at 20°C	Environmental	Solvent/Flammable/Hazardous

## Exceeds BRE Approved Wind Uplift Requirements

ClassicBond PRO Sprayable PU Canister Adhesive significantly exceed independent standards for resistance to wind uplift. They have been rigorously and independently tested at BRE premises, using BSI EN 1991-1-4 guidelines\*, where they achieved a resistance figure of -5500Pa. Typical wind uplift pressure is -1000Pa in London and -2000Pa in Inverness. This gives safety factors of 5.5 for London and 2.75 for Inverness.

## Important Notes

Open-time and cure-time: All information is provided as a guideline only. Cure-time and open-time are dependent on a range of variables: temperature, substrate being bonded, method of application and weight of product applied. Flex-R highly recommends that testing is conducted prior to application.

Temperature and Timings: All information on temperature and timings represent normal working conditions and is provided as a guideline only. However, please contact Flex-R for advice if you wish to operate outside of these parameters.

Disclaimer: Every care has been taken to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact Flex-R to check whether there have been any changes to the information since publication of the literature.

## Sprayable PU Canister Flushing System

The optional Canister Flushing System ClassicBond PRO Sprayable PU Canister application kit remains free from blockages. Compatible with many available PU cleaning aerosols.

## Features and Benefits

The Canister Flushing System allows the contractor to reduce down-time due to blockages in the application gun and hose. The Flushing Kit allows polyurethane cleaner aerosols to be connected directly to the application kit allowing the user to clear adhesive from the system in situ.

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