



since 1895

Insul-Pro

PRODUCT DESCRIPTION

Insul-Pro is a Moisture-Curing Polyurethane (MCPU) Canister Adhesive which allows you to apply insulation adhesive precisely and quickly. The advanced formulation is solvent-free and is contained within a non-flammable pressurised canister system. Insul-Pro is suitable for the professional bonding of a wide range of insulation boards to either a VCL or roof deck.

Insul-Pro's pressurised canister system allows you to apply the adhesive precisely and professionally and in a shorter amount of time than our standard hand-poured Insul-Lock MCPU adhesive.

PRODUCT ADVANTAGES

Fast Application - Insul-Pro is up to 5 times faster to apply than a standard hand-poured MCPU adhesive, allowing you to minimise time on site.

Fast Curing - Insul-Pro cures much faster than a standard adhesive; in as little as 15 minutes in comparison to 30 minutes with standard MCPU adhesives.

Eliminates Wastage - The pressurised canister system allows you to precisely control the amount of adhesive used and bead size laid, which eliminates wastage. One canister will cover up to 350m² cutting down on empty container disposal and time consuming container opening.

No-Odour/Non-Flammable - Insul-Pro contains no solvent and is therefore very low in odour, minimising disruption to building occupants. The canister system also uses non-flammable gas which helps with on-site storage as the container is not subject to ADR regulations.

Quality Insulation Board Finish - Insul-Pro foams sufficiently to compensate for undulations in the substrate surface, whilst its adhesive properties ensure that the insulation board stays flat/even without the continued rise associated with standard MCPU adhesives.

Minimises Fatigue - Insul-Pro's 3m hose and applicator system allows you to apply the adhesive without continually stooping over saving your back from fatigue and pain. Repetitive bending and stooping can also cause permanent back problems.

SET-UP AND MAINTENANCE

Canister Set-Up

NB: It is important to set-up your Insul-Pro MCPU Canister Adhesive 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) then tighten with a spanner.
3. Attach the other end of the braided-hose to the gun-applicator (using the large nut) and tighten with a spanner.
4. Fully open the valve on the canister.
5. Pull the trigger on the gun-applicator to apply the adhesive.
6. Adjust the bead width by turning the black valve on the gun-applicator anti-clockwise until you have a bead width of approximately 20-40mm.

Maintenance Guide

Maintaining your Insul-Pro MCPU Canister Adhesive.

1. Once work has been completed, ensure the valve on the canister remains open. **Failure to do this may cause the adhesive to block the hose.**
2. Turn the gun-applicator off by turning the black valve clockwise until it is fully closed.
3. Clean the end of the gun-applicator with solvent using a nylon brush to ensure that the aperture is clear.
4. Once the canister in use is empty, the gun-applicator can be transferred to a new canister.

APPLICATION

Insul-Pro is compatible with a variety of insulation boards, including EPS, XPS and PIR (tissue and foil-faced).

1. Ensure the insulation board or other roof substrate is dry and clean from grease, dirt and other contaminants before applying adhesive.
2. Set the canister up as described in the 'Set-Up and Maintenance' above.

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Technical Data	Insul-Pro
Appearance	Green
Temperature Resistance	-30 to 150 °C
Coverage Rate	up to 300m ²
Cure Time	15 minutes @ 20 °C
Insulation Board Placement Threshold	1 to 10 minutes @ 20 °C
Application Temperature	5 to 30 °C
Storage	5 to 30 °C
Environmental	Solvent-Free / Non-Flammable

For specific application recommendations, please contact your regional Garland Technical Manager or the Garland Technical Department.

3. Ensure the Insul-Pro canister is applying a bead of adhesive approximately 20-40mm wide.
4. Apply beads at 200-300mm centres to VCL/deck or in compliance with wind uplift calculations.
5. Place the insulation board directly on to the Insul-Pro Adhesive.
6. Apply pressure to the insulation board to ensure full contact with Insul-Pro.
7. Allow to cure before weatherproofing the insulation board.

EMPTYING AND DISPOSAL

1. The Insul-Pro canister contains compressed gas. It should be emptied by carefully opening the valve, which will release any excess adhesive and/or pressure.
2. Allow any excess adhesive and/or pressure to fully escape into a suitable container. Leave the valve open.
3. Once the canister is empty, the circular disk can be pierced using a non-ferrous bar/rod. Allow any remaining adhesive to cure. The empty depressurised canister should be disposed/recycled in accordance to site regulations.

Insul-Pro is supplied as an MCPU Canister Adhesive (450mm x 330mm) in a cardboard carry box. Other components required and supplied separately include:

Applicator (gun and 3m hose).

For more information visit us at www.garlanduktd.co.uk



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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. A ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your Garland Regional Technical Manager or the Garland Technical Department for more information.