

Langley Spray-On-Primer Canister/Aerosol

Product Ref: (DsL8-0913)
Issue No: 02-0423



DESCRIPTION

Langley Spray-on Primer improves the adhesion of self-adhered and torch-on bituminous membranes. The canister system or aerosol allows rapid application with excellent coverage rates at temperatures as low as 5°C. Quick Drying (approximately 5-10 minutes).

TECHNICAL DATA

Base	Synthetic rubber
Appearance	Black
Coverage (Canister)	Up to 250m ²
Coverage (Aerosol)	Up to 8m ²
Application Temperature	5°C - 30°C
Drying Time (20°C)	5 - 10 minutes
Tack Time (20°C)	Up to 4 hours
Cleaner	Spray solvent Cleaner
Shelf-life	12 months

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APPLICATION SYSTEM SET-UP GUIDE

The **Langley Spray-on-Primer (Canister)** system must be set up correctly before use to ensure the best possible performance and avoid leakage or system failure. **Please shake well before use.**

1. Remove the 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. If necessary, using the locking nut provided, attach the spray tip to the end of the spray gun. Carefully tighten the spray tip using a spanner.
5. Fully open the valve on the canister.
6. Pull the trigger on the spray gun to apply the primer.
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.

Langley Spray-on-Primer (Aerosol) 750ml dispensing system is typical in design and simple to use.

1. Remove the cap from the aerosol can and shake well.
2. Depress the aerosol valve and maintain a constant pressure to dispense the product evenly.

APPLICATION

Preparation:

1. Ensure substrates are dry and clean from grease, dirt, and other contaminants before applying the primer.

Application Procedure:

1. Ensure the canister or aerosol spray system is spraying correctly and the spray pattern is consistent.
2. Apply 1 coat of the primer to the substrate, ensuring an even distribution of primer is achieved.
3. Allow the solvents to evaporate from the primer layer for a minimum of 5-10 minutes at 10°C NB: this time will vary depending on temperature.
4. Apply the membrane to the coated substrate in compliance with Langley fixing instructions.

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EQUIPMENT MAINTENANCE GUIDE

Spray-gun and Canister:

1. Once the work has been completed, ensure the valve on the canister remains open. Failure to do this may cause the primer to block the hose.
2. Turn the spray gun off by turning the rotational valve clockwise until it is fully closed.
3. Unscrew the spray tip and locking nut from the spray gun.
4. Clean the spray tip and the end of the spray gun with spray 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.
5. Place the spray tip and locking nut in a container with a small amount of appropriate cleaner until it is needed again. Ensure the container is closed and airtight.
6. The canister and gun will remain usable for three months after opening. If you do not intend to use the system within this time, flush it with the Langley Canister Flushing System.
7. Once the canister in use is empty, the gun applicator can be transferred to a new canister.

Cleaning - Spray-gun and Hoses:

Langley supplies an easy-to-use Langley Canister Flushing System, which ensures the gun and hose remain free from blockages. It consists of the Langley Cleaning Aerosol and Canister assembly.

1. Ensure that the valve on the canister is completely turned off before attaching the assembly. Unscrew the hose from the canister valve.
2. Attach the assembly to the valve. Ensure the assembly remains upright whilst you tighten the nut on it.
3. Attach the hose to the assembly. Ensure the assembly remains upright whilst you tighten the hose.
4. Check the tap on the assembly is off before applying the Langley Cleaning Aerosol.
5. Screw the Langley Cleaning Aerosol into the adaptor. Turn the tap on the assembly to the 'on' position to release the Langley Cleaning Aerosol into the hose.
6. Aiming the gun into a waste container, apply pressure to the trigger on the gun to push the Langley Cleaning Aerosol through the hose and gun until the primer starts to dispense. Keep pressure on the trigger until the hose and gun are thoroughly cleaned.

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PACKAGING

Langley Spray-on Primer Canister is supplied in a cardboard carry box (450mm x 330mm). Canister content: 14.4 kg. Other components required and supplied separately includes: Applicator Gun, 3m hose, Spray-tip and Spray Cleaner.

Langley Spray-on Primer Aerosol is supplied in 750ml individual compressed cans (65mm x 345mm). Gross aerosol weight: 0.720 kg.

CANISTER - EMPTYING, DEPRESSURISING AND SAFE DISPOSAL

When depressurised and emptied, canisters can be disposed of as scrap metal in accordance with the European Waste Directive. Please see below for instructions on how to empty, depressurise and dispose of your canister safely. It also details the codes you will need to provide to the national or local waste company when disposing of empty depressurised canisters and canisters containing adhesive/primer and compressed gas.

Depressurising and Emptying - Safety Instructions:

1. Transfer the hose and gun onto a new canister (if you are not using a new canister, flush the hose and gun using the flushing system & aerosol).
2. Open the valve on the new canister and purge the adhesive/primer through the hose and gun.
3. Open the valve at the top of the used canister and empty any remaining primer and propellant into a suitable container.
4. Ensure the valve remains open. Leave for at least 1 hour.
5. Locate the bursting disk at the top of the empty canister.
6. Use a non-ferrous rod and mallet to strike the bursting disk at its perimeter.
7. Remove the disk, which will reveal an aperture. This will ensure that the canister remains depressurised.
8. Leave for 24 hours to allow any residue to dry and/or cure.

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Safe Disposal (in accordance with national regulations):

1. After the above procedure has been followed, the canister will be empty of any hazardous materials and depressurised. Therefore, it can be considered scrap metal in accordance with the national or local waste company, under code EWC150104 (empty aerosol, no hazardous residues).
2. Depleted canisters and aerosol cans that are still pressurised and contain primer should be disposed of in accordance with the national or local waste company under code EWC 160450 (full or partially empty aerosol).

IMPORTANT NOTES

Storage and handling:

The product should be stored unopened in a dry condition at a temperature of 5-25°C. This will ensure the stated shelf-life. The adhesive will have a limited life once the container is opened.

Temperature and timings:

All information on temperature and timings represents normal working conditions and is provided as a guideline only. However, please contact Langley Technical Services for advice if you wish to operate outside of these parameters.

This document is only a guide.

For further advice regarding the use of primers please contact the Technical Department at technical@langley.co.uk.

Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.