

MAPEPLAN® P CA

CANISTER BONDING ADHESIVE

PRODUCT DESCRIPTION

Mapeplan P CA is a low-VOC, pressurized canister adhesive designed for bonding Mapeplan PVC roofing membranes to a variety of substrates on vertical surfaces. Its fast application and rapid tack development help reduce installation time and labor costs.

TYPICAL APPLICATIONS

- Parapet walls
- Vertical flashings

FEATURES AND BENEFITS

- Low VOC content ideal where odors are not permitted
- Aggressive tack for reliable membrane adhesion
- Compliant with Ozone Transport Commission (OTC) regulations
- Compliant in all California Air Districts
- Compliant with SCAQMD Rule 1168
- Quick dry time for faster installation
- Long open time for application flexibility

TECHNICAL DESCRIPTION

Property	Typical Value
Base	Synthetic Polymer
Solvent	Organic Solvent*
Shelf Life	1 year from date of manufacture**
Flash Point	-71.8°F (-41°C)
Weight / Gallon	7.25 lb
VOC Content	232.5 g/L (EPA Method 24)
Open Time	30 minutes
Dry Time	3 – 10 minutes
Spray Pattern	Variable Web
Odor	Solvent
Service Temperature	-30°F – 200°F
Application Temperature	20°F (-7°C) and rising
Flammability	Flammable when wet. Non-flammable when dry.

APPLICATION INSTRUCTIONS

Preparation

- Use only after carefully reviewing all warnings, directions, and first aid instructions provided. Do not thin the product.
- Ensure surfaces to be bonded are clean, smooth, dry, and free of moisture, dirt, grease, oil, or other contaminants.
- Protect adjacent surfaces from overspray as necessary.

Equipment Setup

- Connect the spray gun to the hose, then connect the hose to the canister. Tighten all connections securely.
- Open the canister valve and check for leaks. Keep the valve open until ready to change canisters.



PRODUCT DATA

Coverage ... 1,000 – 1,200 ft² (92.9 – 111.4 m²)
 Weight..... 30 lb (13.6 kg)
 Canisters/Pallet 24

APPLICABLE STANDARDS

- UL Classified
- FM Approved
- Florida Building Code



PRODUCT CODES

- 6746414

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Temperature Requirements

- Apply Mapeplan P CA at ambient temperatures of 20°F (-7°C) or higher.
- Maintain the propellant in the canisters above 70°F (21°C) to ensure proper spraying. Use power-heated blankets or hot boxes when necessary. Do not allow canister temperatures to exceed 110°F (43°C).
- For applications at ambient temperatures below 70°F (21°C), store canisters in a heated space and move them to the project area during application. Keep canisters warm on the jobsite and dispense product while the canister remains warm.
- If the product becomes too cold, it may begin to spit rather than spray. If spitting occurs, replace the cold canister with a warmer one and return the cold canister to the heated area.

Changing Canisters

- When changing canisters, close the valve on the canister and depressurize the hose.
- Remove the hose and attach it to the new canister. Open the valve and perform a test spray.
- Always keep the canister upright, as tilting the canister may reduce pressure and coverage rates.

Adhesive Application

- Apply adhesive in a uniform, even coat to both the substrate and the membrane.
- Hold the spray tip approximately 12" (30 cm) from and perpendicular to the surface during application.
- Maintain a consistent spray distance and spray pattern during application to ensure a uniform adhesive film and to avoid overspray or dry spray conditions.
- Use a 50% overlapping spray pattern to achieve 100% coverage. Avoid excessive thickness and do not allow adhesive to puddle.
- Avoid spraying in windy conditions or where airborne adhesive could contaminate adjacent surfaces.

Bonding

- Allow both coated surfaces to partially dry before bonding. Surfaces are ready when the adhesive feels tacky but does not transfer to the back of a clean, dry finger when lightly touched.
- Under normal conditions, complete the bond within 3 – 10 minutes after the adhesive reaches a tacky state. All bonds must be made within 30 minutes.
- Carefully position coated surfaces before bringing them together, as shifting is not possible once contact is made.
- If surfaces do not adhere when light pressure is applied, the open bonding time has been exceeded. Reapply adhesive and bond within 30 minutes.
- Bring the surfaces together and immediately apply firm pressure using a soft-bristle broom across the entire surface, working from the center toward the edges.
- Roll the membrane with a weighted roller to maximize contact and ensure full adhesive bonding.

Cleanup

- Remove overspray promptly using an appropriate cleaner while the adhesive is still wet.
- Dispose of empty containers and waste material in accordance with applicable federal, state, and local regulations.

Approved Equipment

Spray Gun: SG200 Gun with 2' Extension

Spray Gun: SG200

Spray Tip: 8001LP

Hoses: MH973 (12'), MH978 (25')

Contact Polyglass Technical Services for further guidance.

For Professional or Industrial Use Only

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Waco, TX
- Winter Haven, FL

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Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances.

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