JM PVC ALL SEASON SPRAYABLE BONDING ADHESIVE QUICK INSTALLATION GUIDE

Description

The PVC JM All Season Sprayable Bonding Adhesive is a sprayable two-sided adhesive for use in JM PVC and JM PVC SD Plus roofing systems. Below are the instructions for setting up the canisters for their safe use and proper installation as well as proper storage and handling. Please review the instructions thoroughly and the Safety Data Sheet (both available at www.jm.com) prior to use. **FOR INDUSTRIAL USE ONLY. CONSULT TECHNICAL INFORMATION & SAFETY DATA SHEET FOR THIS PRODUCT BEFORE USE OR HANDLING.**

Installation Conditions & Jobsite Storage

Install when ambient temperature is 25°F (-3.89°C) and rising. Store adhesive in a well-ventilated area and keep canisters tightly closed. Store locked up and protected from sunlight. Canisters are pressurized. ***Canisters should be a minimum of 70°F (21°C) at the jobsite for optimal installation*** and spraying conditions. When canisters are not in use they should be kept a minimum of 70°F (21°C) in a warming or conditioning area. Make appropriate accommodations on the jobsite to ensure the canisters can be installed at a minimum of 70°F (21°C).* When canister temperatures cool below 40°F (4.44°C) remove from the site and return to the warming area to condition to 70°F (21°C). **DO NOT let canisters EXCEED 120°F (49°C).**

Ensure that membrane and substrate are free and clear of debris and dry prior to installation. DO NOT install in contact with asphalt. See below for list of approved substrates and application rates.

***Note that if maintaining proper canister temperature is difficult consider warming blankets.**

Application Instructions

Retrieve the canisters from the jobsite storage/conditioning area and confirm they are a minimum of 70°F (21°C) F. Connect the hose to the spray applicator and turn the trigger lock to the closed position (such that the trigger cannot be engaged). Connect the hose to the adhesive canister. Once fully connected; open the valve slowly on the canister to check the hose and applicator fittings for leaks. When ready to spray, turn the trigger lock as far open as needed to obtain proper spray width. During use keep the adhesive canister valve open to maintain the necessary pressure in the hose even when temporarily not in use. Turn the trigger lock all the way closed during periods of non-use to prevent accidental spray. After the canister valve has been opened for use, do not close the valve until the canister has been used in full and is completely empty or the proper cleaning action is taken for either long term or temporary storage. See Cleaning & Storage section for detailed instructions.

Prior to beginning application; test the desired spray pattern/fan on a disposable surface. If the spray is inconsistent, replace the tip.

Begin installation application and coat both the substrate and the membrane to the desired pattern and application rate noted. Adhesive should be applied with a target of 50% overlap to achieve the desired adhesive strength and application rate and with the appropriate rate of speed to achieve the coverage rate. **DO NOT BACKROLL THIS ADHESIVE.** Do not allow the adhesive to puddle on horizontal surfaces and do not allow the adhesive to run on vertical surfaces. Both are indications of too heavy adhesive application. Wipe the tip with a cloth whenever there is excessive buildup to maintain the highest application speed and fullest fan pattern.

Allow the adhesive to flash off the necessary amount of time per the ambient conditions. Adhesive is ready for installation when no residue transfers to the fingers or hand after touching. Limit application to the amount of square footage of both membrane and substrate that can be installed within 30 minutes. When the adhesive is ready for both the membrane and the substrate; roll the membrane carefully into the substrate avoiding wrinkles. For vertical surfaces roll in the material with wide hand roller(s). For horizontal surfaces the material should be broomed in and then should be rolled with a lawn or linoleum roller (minimum 75 lbs [34 kg]) to ensure good contact and adhesion.

When a canister is completely consumed; the canister valve should be closed tightly and the hose and applicator depressurized after the canister is closed. The hose and applicator should be detached from the canister and immediately attached to a new canister to avoid cleaning. Follow the same leak test before opening the canister valve fully. Open the trigger lock completely for application and spray for up to 30 seconds to allow the spray pattern to stabilize (change out the tip if spray pattern does not stabilize) . Dispose of empty canister per the local regulations and requirements.

JM All Season Sprayable Bonding Adhesive is a contact adhesive and should be installed in a two-sided application. For optimal performance and installation please adhere to the guidelines noted here.

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Storage and Cleaning

Short Term Storage and Cleaning of Applicator and Hoses

- Prior to cleaning; move to a well-ventilated area and secure appropriate PPE.
- Leave the adhesive canister valve open and under pressure but lock the applicator trigger so that it cannot be engaged.
- Wipe any accumulated adhesive from the tip.
- First remove the tip by removing the retaining nut that holds it in place. Clean the tip and the retaining nut by soaking them in the *Sprayable Bonding Adhesive Flush (LVOC)*.
- Keep a supply of new tips in case the old tip cannot be fully cleaned and unclogged.

Long Term Storage and Cleaning of Applicator and Hoses

- Prior to cleaning; move to a well-ventilated area and secure appropriate PPE.
- Close the valve on the canister and engage the trigger on the applicator to relieve all pressure in the hose and applicator system.
- Next disconnect the hose from the canister—again after ensuring that the valve to the canister is firmly closed.
- Remove the tip for the applicator by removing the retaining nut which holds it in place.
- Wipe the tip, the applicator and the retaining nut (paying special attention to the threads) with a flush soaked rag.
- Soak the tip in the *Sprayable Bonding Adhesive Flush (LVOC)* following the instructions outlined above in the **Short-term storage above.**
- Connect the hose to the flushing outlet on the *Sprayable Bonding Adhesive Flush (LVOC)*. Tighten the connection with a wretch using caution not to strip the threads.
- **Ensure the tip has been removed before proceeding to the next step.**
- Open the *Sprayable Bonding Adhesive Flush (LVOC)* canister valve to full and engage the trigger of the spray applicator to allow flow to flush cleaner through the hose.
- Flush the hose and applicator until such time as it is running clear and collect the flushed cleaner and adhesive into a collection bucket/container.
- Once the hose and applicator are completely flushed, close the cleaner valve and then engage the trigger to relieve the pressure in the applicator and hose.
- Disconnect the hose and applicator after ensuring the flush valve is closed and the pressure in the hose is relieved.

Application Rates

Substrate	Horizontal	Vertical
Non-Porous (CGF, primed/coated gypsum boards, etc.)	550 – 625 ft² / cannister	400 – 475 ft² / cannister
Porous (ENRGY 3, block, concrete)	500 – 575 ft² / cannister	350 – 425 ft² / cannister

Coverage, open and dry time rates can vary dramatically depending on the particular substrate and environmental conditions. Coverage rates stated herein are approximate only, and for non-porous substrates.

Approved Substrates

Compatible with the following wall applications/boards/substrates: Polyisocyanurate; Invinsa Roof Board; ProtectoR HD board; gypsum; concrete; treated plywood, cement board.

Long Term Storage & Shelf Life

Shelf Life	12 months from manufacture date
Storage Conditions	Clean, dry, indoor environment, in a well-ventilated area, and in an unopened container, tightly sealed
Temperature Range	60°F – 80°F (16°C – 27°C) Do not let freeze and do not let exceed 95°F (35°C)
Installation Conditioning	Bring the adhesive to a minimum 70°F (21°C) and maintain for installation and use