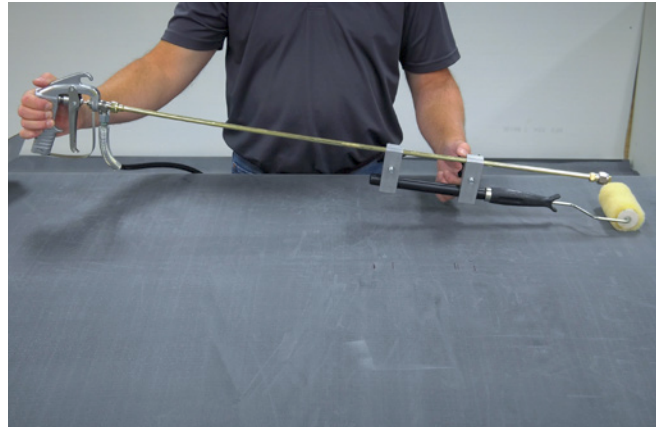


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CAV-PRIME Assembly & Application Instructions



Application of membrane primer from a pressurized cylinder will require the following accessories:

- CAV-PRIME cylinder
- Spray gun with 24" (330912) or 36" extension (341897)
- 6'-long material hose (304302)
- CAV-PRIME Backpack (Recommended) (341898)
- 4"-wide paint roller frame with $\frac{3}{8}$ "-nap cover
- CAV-PRIME Applicator Attachment Kit (341228)

Primers offered in a pressurized cylinder:

- CAV-PRIME V-150 EPDM Primer (341446)
- CAV-PRIME TPO Membrane Primer (341448)
- CAV-PRIME Low-VOC EPDM/TPO Primer (341449)

Gun and Hose Cleaner

- CAV-PRIME Low-VOC Hose & Gun Cleaner must be used to flush and clean the gun and hose prior to storage. (341407)

Do not interchange cleaners, as other cleaners such as Low-VOC UN-TACK™ will react adversely with the primers, rendering the spray gun and hose unusable.

Assembly

1. Thread material hose on to cylinder and tighten the fitting with a $\frac{1}{8}$ " open end wrench or an adjustable wrench.
2. Thread the other end of the material hose to the spray gun. Tighten the fitting with a $\frac{3}{4}$ " wrench or an adjustable wrench. Make sure the trigger is in the locked position.
3. Install the CAV-PRIME applicator attachment and roller on the spray gun with extension nozzle. Follow the instructions provided in the applicator attachment kit (341228). Adjust the applicator attachment as necessary by loosening and tightening the thumb screws on the clamps.
4. Place the CAV-PRIME cylinder in the backpack. Secure the cylinder in the backpack with the adjustable strap.
5. Open the valve on the top of the cylinder to the full open position. As the hose becomes pressurized, make sure there are no leaks.
6. Shoulder the backpack and adjust the straps for a snug fit.



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Primer Application

1. See each primer's individual Technical Data Bulletin for application and precautions.
2. Adjust the spray gun stop nut and trigger lock to half throttle.
3. Spray a small puddle of primer onto the surface to be primed. "Wet out" the roller cover with the primer.
4. Begin the primer application by triggering the gun and rolling the assembled apparatus on the membrane at a walking speed that allows you to maintain a controlled and straight line. A back and forth action may be necessary depending on how wide the primer needs to be applied. Trigger the gun as needed to keep the roller cover wet with primer. Continue to apply the primer, making sure that there will be no dry edges once the pressure-sensitive tape product is in place.
5. Any time the spray gun is idle the trigger lock should be engaged.
6. The tank valve should remain open until the contents in the tank are completely used or when the hose is to be flushed with cleaner.

Storage and Cleaning

1. Store cylinders in a protected, conditioned space with temperatures maintained between 70°F (21°C) and 100°F (38°C). Do not store or heat cylinders where temperatures reach 110°F or higher. Contents are flammable.
2. Semi daily use of the primer will not require the tank valve to be closed between uses. The tank valve should remain open and the system pressurized until you are ready to clean and flush the system. Keeping the gun, tip and hose clean is important for long term performance. Flush the gun and hose with CAV-PRIME Low-VOC Hose & Gun Cleaner (341407) if the equipment is going to be idle for more than a few days.
3. To clean the gun and hose, close the tank valve on the primer cylinder. Relieve hose and gun pressure by triggering the gun into a waste receptacle.



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4. When the pressure is relieved, remove the hose from the tank using a 3/4" open end wrench or an adjustable wrench. Thread the hose onto the CAV-PRIME Hose and Gun Cleaner cylinder (341407) and tighten the hose with the wrench.
5. Open the valve on the CAV-PRIME Cleaner canister and begin flushing the primer out of the gun and hose with the cleaner. The primer is flushed from the gun and hose when a light fan pattern is formed and the spray is completely clear.
6. Store the gun and hose as is or disconnect it from the cleaner after closing the cylinder valve and removing relieving pressure.

NOTE: Only use CAV-PRIME Low-VOC Cleaner (341407) for cleaning the CAV-PRIME gun and hose. **Never use Low-VOC UN-TACK or PVC UN-TACK.** Do not interchange cleaners as other cleaners will react adversely with the primers, rendering the spray gun and hose unusable.

General Tips and Tricks

- Ideal jobsite storage temperatures and cylinder performance are between 70°F (21°C) and 90°F (38°C).
- To keep cylinders warm in cold weather, use a hot box or heated blanket where temperature can be regulated and does not reach above 100°F. Do not use standard heat bands as they do not have temperature controls and can overheat the cylinders.
- When using the backpack, the 6' material hose (304302) works best to prevent excess hose from getting in the way during application.
- Regulate primer flow through gun by adjusting stop nut/trigger lock to approximately half throttle. This will reduce splashing of the primer as it is being sprayed onto the membrane.
- Position the CAV-PRIME applicator attachment clamps so that nozzle of the spray gun is just above the roller cover (approx. 2-3" away) so that it is close to the roof surface and spraying in front of the roller while walking forward.

Precautions

- Primer and cleaner are flammable liquid. Keep away from heat, hot surfaces, sparks, open flames and other ignitions sources. Do not spray on or near an open flame or other ignition source.
- To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment/spray system, personnel, and substrate should be grounded.
- Use explosion-proof electrical equipment and use only non-sparking tools.
- Do not pierce or burn, even after use.
- Use and clean equipment only outdoors or in a well-ventilated area.
- Stop operation immediately if static sparking occurs. Do not use equipment until you identify and correct the problem.
- Keep a working fire extinguisher in the work area.

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