

# INSTALLATION ADVISORY



November 2, 2020

**To: Carlisle SynTec Systems' Authorized Applicators**  
**Attention: Foremen and Project Supervisors**  
**Re: Cold Weather Installation Tips for CAV-GRIP® III and CAV-GRIP PVC**

Please share this information with your crews to achieve the best results with CAV-GRIP Adhesives.

**Bottom end temperature:** CAV-GRIP III can be installed down to 25°F (-4°C) when bonding TPO or EPDM and 15°F (9°C) when used as a primer; 35°F (2°C) for CAV-GRIP PVC. See Product Data Sheet for vapor barrier storage requirements when using CAV-GRIP III as a primer in cold weather. Plan your workday to allow spraying above these temperatures.

**Storage:** Whether at a distributor's shop or on the jobsite, always store the adhesive in heated spaces with temperatures maintained between 70-90°F (21-32°C). Adhesive thickens, causing spray/pressure to weaken when cylinders are below 70°F (21°C). Place cylinders on a pallet or insulation to avoid contact with a cold steel or concrete deck that will act as a "heat sink." Do not store or heat cylinders where temperatures reach 110°F (43°C) or higher.

**Jobsite hot boxes:** Maintain hot box cylinder temperature around 90°F (32°C) so the cylinder stays above 70°F (21°C) when in use. Storing at 90°F (32°C) provides a safety factor, as cylinders will begin to cool once removed from the hot box. Keep the metal spray gun and hoses in the hot box prior to use. Remove the cardboard packaging to enhance the cylinders' ability to get warm in the hot box.

**Heat blankets:** PowerBlanket Lite heat blankets are primarily used to maintain the temperature of a pre-warmed cylinder during installation. They should not be used in place of storing adhesive in a heated space, as they are not intended to bring cold cylinders up to a usable temperature. Insulating the spray hose is a good way to help maintain adhesive temperature to the spray gun. Do not use standard heat bands, as they don't have temperature controls and can overheat the cylinders.

**Swap out cylinders that become cold:** If the spray gun begins to spit, sputter, or lose the spray pattern; you may have cold material. Rotate a cold cylinder back into the hot box and swap it with a pre-heated cylinder. If sputtering continues, refer to the CAV-GRIP Guns & Hoses cleaning procedures.

**Check for blushing:** As adhesive flashes off on cool days, it can lower the surface temperature below the dew point, causing moisture to form on the surface of the adhesive. After adhesive flashes off, slide a dry hand across the surface of the adhesive to ensure moisture has evaporated and the surface is dry prior to installing the membrane.

Sincerely,

Ron Goodman  
Marketing Manager, EPDM Roofing Systems