



VERSICO'S COLD WEATHER INSTALLATION TIPS

**To: Versico Authorized Contractors
Attention: Foremen and Project Supervisors**

Please share this information with your crews to achieve the best results when working with Versico's membranes, adhesives, and primers in cool temperatures.

Versico Roofing Membranes:

VersiGard® EPDM – Because large, folded EPDM sheets can be difficult to install in low temperatures, Versico recommends non-folded sheets for cold weather installations. Versico's 16.5' no-fold sheets are a good option for cold weather jobs.

EPDM flashing products may require supplemental warming from a heat gun. The heat gun should be kept away from flammable materials such as cleaners, primers and adhesives.

VersiWeld® TPO & VersiFlex™ PVC – In cold weather, TPO and PVC membranes and walkway rolls must be allowed to relax after they are unrolled and before installation.

Welding techniques must be adjusted for cold weather applications. In general, welding speeds will need to be decreased. Test welds must be conducted at start-up and after the welder has been shut down to ensure that a proper weld is achieved. It is also important to conduct test welds with hand welders due to the slower speeds needed for a proper weld.

Versico Adhesives:

Low-VOC Bonding Adhesive, Low-VOC Primer, and EPDM x-23 Low-VOC Bonding Adhesive – These products should be stored between 60-80°F for best results and ease of application. When ambient temperatures are expected to fall below 40°F for an extended period, a heated enclosure or hot box is strongly recommended for jobsite storage. If adhesives or primers are stored in cold temperatures, restore to room temperature for a minimum of 24 hours prior to use. The material will perform as intended once it is returned to a liquid state. EPDM x-23's resistance to gelling in cold weather has been improved by 400% compared to the original 2015 formula and exceeds that of competitive low-VOC bonding adhesives.

Adhesives must be thoroughly mixed once per day. Dark streaks (unmixed solvent) in the adhesive should not be visible. Allow EPDM and TPO membranes to relax for 30 minutes or longer before applying adhesive. This technique results in less stress on the freshly formed bond. Working in low temperatures will also result in longer drying times for solvent-based products. Failure to allow the products to properly flash off can result in blisters beneath the membrane. Broom or roll the membrane immediately after bonding the sheet. If blisters occur, allow solvent to dissipate naturally for 4-5 days; then, re-broom the membrane.



VERSICO'S COLD WEATHER INSTALLATION TIPS

CAV-GRIP™ 3V Low-VOC Adhesive/Primer – can be used for a variety of applications: adhering standard VersiWeld TPO and standard VersiGard EPDM to vertical walls and horizontal field of roof, adhering VersiFleece® to vertical walls, enhancing the bond between VapAir Seal™ 725TR and various substrates, and priming unexposed asphalt prior to applying Flexible DASH™ Adhesive for insulation attachment. CAV-GRIP 3V can be applied in ambient temperatures of 25°F and above and has a less than five minutes tack time, providing up to a 60% labor savings compared to traditional bonding adhesive. Propellant in cylinders must be kept above 70°F for the product to spray properly. For applications taking place in ambient temperatures below 70°F, store cylinders in a heated space and move the project area during application.

Flexible DASH Adhesive – Can be used to adhere VersiFleece membranes and insulation boards to various substrates. This VOC-compliant product should be stored between 70-90°F for best results and ease of application; when Flexible DASH is stored below 60°F the material must be returned to 70°F prior to use. Flexible DASH can be applied in ambient temperatures of 25°F and above, making it a great option for the cold weather. When temperatures are below 70°F, Versico recommends the use of hot boxes or heated blankets to ensure that the product is applied at the correct temperature.

Consult Versico's Technical Data Bulletins for more information on minimum installation temperatures and parameters for use in cold temperatures. If you have any questions, please contact your Versico Roofing Systems' Independent Sales Representative.