



## INSTALLATION ADVISORY

To: Versico Roofing Systems' Authorized Contractors

August 28, 2014

Attention: Foremen and Project Supervisors

### Low-VOC Bonding Adhesive Installation Advice

As many of you are aware, there are significant functional differences between standard solvent-based bonding adhesives and Low-VOC bonding adhesives. A good understanding of these differences is critical to improving productivity and installation quality. Versico recently updated its Low-VOC Bonding Adhesive Technical Data Bulletin with some important installation advice, including:

- 1) Keep the adhesive between 60-80° F for best results.
  - a. Keeping the adhesive between 60-80° F makes it easier to mix and apply.
- 2) Thorough mixing once per day is very important.
  - a. Dark streaks (unmixed solvent) in the adhesive should not be visible.
  - b. Allow the EPDM and TPO membrane to relax for half an hour or longer, especially when using folded sheets of EPDM. This results in less stress being exerted on the freshly formed bond.
- 3) Observing the coverage rate of 300 square feet per 5-gallon pail is very important.
  - a. Thin application promotes over-drying, and over-drying results in a weak bond.
  - b. Avoid puddles, globs or heavy areas - strive to achieve uniform coverage.
  - c. Re-roll heavy, "wet" areas to break the skin and allow solvents to flash off.
- 4) Use the "Tack Test" to ensure that solvents have flashed off and the adhesive is still **TACKY**.
  - a. This adhesive is designed to flash off quickly. Shaded areas will take longer to flash off than areas in the sun.
  - b. If the adhesive isn't tacky, it has over-dried. This will result in a weak bond.
- 5) **Install the membrane immediately after adhesive passes the "Tack Test."**
  - a. It is critical to avoid over-drying of the adhesive.
  - b. This is especially important on wall applications where gravity is working against you.
  - c. **Continually monitor the adhesive for flash-off - stay on top of it & get the roof dried in!**
- 6) **Broom or roll the membrane immediately after setting the sheet.** You have to apply pressure to physically push the membrane down into the adhesive to achieve maximum bond strength.
- 7) If solvent blisters occur, allow the solvent to dissipate naturally for 4-5 days and then re-broom or re-roll the membrane to lay flat.

Many of you already follow these practices... keep up the good work! Please share this information with your crews to achieve the best results when working with Versico's Low-VOC Bonding Adhesive.

A handwritten signature in black ink that reads "Donald I. Goodman".

Marketing Manager, EPDM Roofing Systems