

ImmerBond® Silicone Adhesive Sealant is a one component moisture cure silicone adhesive specially formulated for use as the adhesive for **ImmerSeal®** Pre-cured Silicone Sealant. Other premium commercial grade silicone sealants may also be used to adhere **ImmerSeal®** to building substrates (see Recommended Adhesive Sealants). Regardless of the adhesive selected to install **ImmerSeal®** pre-cured silicone joint sealant, it is imperative to verify the adequacy of the adhesive system used, prior to the start of any installation project. Projects involving substantial amounts of **ImmerSeal®** may call for periodic adhesion testing throughout the entire installation process.

Testing:

To test the adhesive sealant system, a simple pull test may be conducted on the building's substrate(s):

1. First install a small section (min. 1') of **ImmerSeal®** pre-cured silicone sealant on the actual building substrate(s) to be sealed, following the installation guidelines.
2. Once the adhesive sealant has had sufficient time to achieve full cure, slice the adhesive sealant on both sides of the joint lengthwise approximately 3 to 4 inches (see figure 1.). Take caution not to slice into the **ImmerSeal®**.
3. Firmly grasp the **ImmerSeal®** at a distance of approximately 2 inches adjacent to the substrate. (see figure 2.)
4. Pull the **ImmerSeal®** at a 90° angle to a distance equal to 100% elongation (i.e. 2" + 100% = 4"). (see figure 3)

Test Evaluation:

The pass/fail criteria are base on a series of visual observations.

1. The adhesive should experience no adhesive failure with the **ImmerSeal®** pre-cured joint sealant.
2. The adhesive sealant should exhibit no adhesive failure with the substrates).
3. Adhesive failure between existing coatings and the substrate itself is not acceptable. This should not to be confused with adhesive failure of the sealant system.
4. Only minimal cohesive failure of the adhesive sealant system is acceptable.

Periodic Testing during Installation:

Periodic adhesion tests for large installation projects are recommended and may be conducted in a similar manner. Instead of installing specific test sections however, previously installed **ImmerSeal®** may be utilized to perform the adhesion tests. Simply cut the pre-cured sealant crosswise on randomly selected sections of **ImmerSeal®** and commence by slicing the adhesive sealant following the standard test procedure. Once the test has been completed simply reinstall the **ImmerSeal®** by applying more adhesive sealant in the test area and by rolling the extrusion back into the wet sealant. Apply and tool an adequate amount of adhesive sealant at the horizontal cut.

