

Technical Bulletin #2015-02

To: All POLYGLASS Users
CC: POLYGLASS Sales & Technical Services
Re: **Guidelines for Field Adhesion Test for Elastomeric Roof Coatings**

In response to growing interest in coating-based roof restoration systems, Polyglass provides the following guidance for evaluating the field adhesion of elastomeric roof coatings to various substrates.

As more building owners and contractors explore elastomeric roof coatings as a cost-effective alternative to full roof replacement, concerns about adhesion have increased—particularly when coatings are applied over aged, weathered, or contaminated surfaces. Many of these surfaces may not be ideal for coating adhesion without additional surface preparation. For this reason, Polyglass strongly recommends performing a field adhesion test prior to application, using a method similar to ASTM C794.

Recommended Field Test Procedure:

- Select a minimum of three typical roof locations and prepare a test area of approximately 4 square feet at each. Clean the surface using a broom, mild detergent, followed by a water rinse, or another appropriate method to remove dust, debris, and contaminants.
- Apply 24 wet mils of the base coat material using a brush. Immediately embed a 1-inch-wide by 12-inch-long piece of Polyglass polyester reinforcement fabric into the coating and brush it in until fully saturated, leaving one end of the fabric unbonded to serve as the pull tab. Apply an overcoat with an additional 16 wet mils of base coat, ensuring the reinforcement fabric remains fully encapsulated. Allow the coating to cure completely, typically 7 days, although cure time may vary based on temperature, humidity, and product used.
- Once cured, use the unbonded pull tab to pull the fabric upward at a 90-degree angle using a fish scale or similar device to measure the force required to separate it from the substrate. Acceptable results should show approximately 10 pounds of force and a predominantly cohesive mode of failure, meaning the coating separates within itself rather than at the bond line with the substrate. If no measuring device is available, the failure must be completely cohesive to be considered acceptable.

For more detailed application or warranty inquiries, please contact the Polyglass Technical Services Department at 866-794-9659 or via email at Technical@Polyglass.com.



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