

Acrylic Adhesion Test Instructions

Overview

The following test applies to Pro-Grade® 280 Elastomeric White Roof Coating only. An adhesion test should be completed prior to installation of roof coating. See Henry® Guide specifications and Henry® Warranty Program documents for adhesion test requirements by substrate. Confirmation that test results met the minimum requirements must be recorded on the Henry® Warranty Application form and sent to the Henry® Warranty Department.

Tests are required for all areas including, but not limited to: at least two tests in the field of existing roofing membrane, one every 10,000 sq. ft., plus any area of worn roofing such as cracked or abraded surface, etc.; any change in roof membrane substrate; existing roofing membranes that were installed in phases; and any shaded areas or areas indicating ponding water.

Instructions

Step 1: Clean the roof. Using a pressure washer or high pressure nozzle on hose, use appropriate pressure to wash the roof with a non-filming detergent, such as TSP or TSP substitute. In areas with stubborn dirt, grease, or other contaminants, use a stiff bristle brush or broom to scrub the areas clean with additional water and non-filming detergent. Treat mildew or mold. Give the roof a final rise to ensure it is free of all detergent of anything else that could affect adhesion.

Step 2: For EPDM roofs only, spray apply Henry® 825 RubberKote™ Rinseable Primer with Hudson® type agricultural sprayer at 500 sq. ft./gallon. After 15 minutes, remove primer by power wash. Apply the first coat of Pro-Grade® 280 at approximately 1.5-gallons per 100 sq. ft. (20-mils wet) to three test areas. While the Pro-Grade® 280 acrylic is still wet, use Henry® 195 or Henry® 196 Polyester Fabric to embed three 1" x 6" strips into each of the wet Pro-Grade® 280 acrylic test areas. Allow 2" of fabric to extend beyond the wet Pro-Grade® 280 acrylic. After embedding the fabric, apply the second coat of Pro-Grade® 280 acrylic at approximately 1.5-gallons per 100 sq. ft. (20-mils wet) over the fabric to completely cover it. Do not coat the 2" fabric ends. Brush Pro-Grade® 280 acrylic lightly to remove any trapped air.

Step 3: Allow the test areas to cure at least 7 days before checking adhesion. When checking adhesion, pull the fabric strips straight up, and measure the pulling force with a hand-held scale. To pass, acrylic must not delaminate when pulled with a force of two (2) pounds per lineal inch. A successful adhesion test is confirmed with a minimum adhesion result of two (2) pounds per lineal inch. Any less is considered a failure. Please contact your Henry® sales representative for other solutions if the adhesion test results in failure.

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