



Technical Bulletin

No. 2101

Roof Coating Adhesion Test Procedure

March 2026

MuleHide requires adhesion tests survey for ALL coating projects where a System (NDL) warranty is being requested

When performing roof coating adhesion tests, MuleHide requires the following information to be provided on the reporting form included in this Technical Bulletin. Minimum requirements are as outlined below:

- A minimum of 1 adhesion test per each different roof condition or 1 test every 4000 sq ft.
 - These include
 - Patched or Repaired areas
 - Coated Areas
 - Areas of different exposure
 - On projects 50,000 sq ft or greater, contact MuleHide Technical for number of tests required.

Recommended steps to perform an adhesion test

- Prepare the surface you are going to apply the test to as you would for a final top coat.
 - Clean, dry, prime if needed
 - Pre-cut fabric strips (1 in. wide by 12 in. long) one for each test.
 - Apply approximately 16 wet mils (1 gallon per square) of coating (Silicone, or Acrylic) onto the clean dry substrate area should be approximately 6" x 12".
 - Immediately, embed 8" of the pre-cut fabric strip into the wet coating.
 - Allow a minimum of 4 inches of the fabric to extend past the wet coating.
 - Brush the fabric lightly to ensure no air pockets, voids, or wrinkles.
 - Apply 16 wet mils (1 gallon per square) over the top of the embedded fabric making sure it is completely covered and sandwiched between the two applied coats.
 - Leave a minimum of 4 inches of the fabric strip uncoated.
1. Allow the test areas to cure for minimum 48hrs before conducting test.
 - Adhesion and curing time frame depend on climate conditions (temperature, humidity, etc.).
 - Test the adhesion with a fish scale. Tie a knot in the fabric that was left out of the coating and hook the fish scale into the knot.
 - Using the fish scale, pull the fabric strip at a 90-degree angle.
 - A minimum of two lbs. of "pull strength" must be observed or registered on the fish scale for the coating adhesion to be considered acceptable. (2lbs per 1 inch of fabric minimum, ideal pull is 2-5lbs per 1 inch of fabric per National Roofing Contractors Association)
 - A photo or a short video of the observed "pull strength" of the fish scale is required.
 - If the fabric separates from the coating, leaving the coating still adhered to the roof membrane, the test is a "pass".
 - If the coating separates from the roof surface, the test is a "fail".
 2. All adhesion tests should be documented on the attached form, with photos of the **cleaned substrate, the "wet" coating and fabric embedded**, and **the face or display of the fish scale showing the resistance observed** in the test. If the project is requesting a system warranty it is strongly recommended that all tests be performed in the presence of a Mule-Hide Representative. Forward results and photographs of all test area results to the Mule-Hide Technical Department for review using the attached form.



Adhesion Test Survey Reporting Form

Date of Evaluation: _____

Attendees Name(s): _____

Project Name/ID: _____

Project Location: _____

Existing Roofing System Type:

Proposed System Type:

Roof Age (if known): _____ (Years)

Is there currently a Warranty on this project (if so start/expire date)? _____

Active leaks present? (yes/No) Locations:

Test Area 1

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Cleaned

Wet Coating

Pull Result

Test Area 2

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Cleaned

Wet Coating

Pull Result

Test Area 3

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Cleaned

Wet Coating

Pull Result



Adhesion Test Survey Reporting Form

Test Area 4

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Cleaned

Wet Coating

Pull Result

Test Area 5

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Cleaned

Wet Coating

Pull Result

Test Area 6

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Cleaned

Wet Coating

Pull Result

Test Area 7

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Cleaned

Wet Coating

Pull Result

