

ADHESION TEST KIT INSTRUCTIONS

GARLAND ROOF RESTORATION SYSTEMS



About This Adhesion Test

An adhesion test in accordance with the written instructions that follow must be completed prior to specification of Garland CPR™, LiquiTec™, White-Knight® Plus/White Stallion® Plus, White-Knight Plus WC and Cool-Sil to ensure an adequate bond to the roof substrate(s) and to qualify for a Garland Restoration System (GRS) warranty.

Eligible Restoration Systems

Existing roof substrates and compatible restoration coatings (specific to this adhesion test):

- **Modified Bitumen:**
LiquiTec, White-Knight Plus/White-Stallion Plus, White-Knight Plus WC, Cool-Sil
- **Single-Ply Membrane:**
LiquiTec, White-Knight Plus/White-Stallion Plus, White-Knight Plus WC, Cool-Sil
- **Metal:**
CPR, Cool-Sil

Determine Where to Test

A minimum of two adhesion tests in the field of the existing roof membrane are required. An additional adhesion test is required within every additional 20,000 sq. ft. roof section. Additional tests are also required on any areas that are more worn than the surrounding roof, where any change in roof membrane substrate exists, and where there is any indication that ponding water has accumulated.

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Step-by-Step Testing Instructions

Step 1: For each test location, use a non-filming detergent such as TSP or TSP substitute (e.g. Simple Green) and water to clean a section that is at least 6" x 12". Use a stiff bristle brush to scrub the test areas clean. Rinse well with clean water to ensure the area is free of all contaminants, detergent or anything that could affect adhesion. Wipe area with a clean rag to dry completely.

Step 2: A primer is required for metal roof surfaces (see primer requirements to follow). For all primer applications, apply product at the required coverage rate and allow to dry thoroughly before applying desired coating.

Primer requirements for tests on metal roof systems:

- **CPR test:** On rusted areas only, apply Rust-Go Primer and let dry before applying base coat
- **Cool-Sil test:**
Apply Rust-Go Primer and let dry prior to applying base coat

Primer requirements for tests on single ply membranes:

Apply Cool-Sil Single Ply Primer to aged TPO, PVC and Hypalon membranes and let dry before applying base coat.

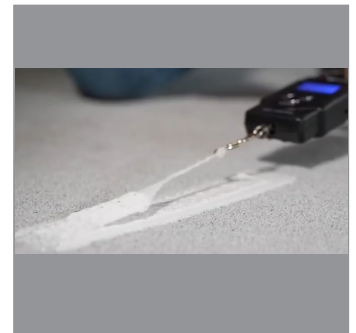
Step 3: Ensure the roof surface is moisture free. Apply the first layer of coating directly over the primer if testing on metal, or over the cleaned and dry roof area if testing on membrane. Immediately embed two 1" x 10" strips of Grip Polyester™ Soft into the wet coating. Allow 4" of fabric to extend beyond the coating. After embedding the fabric, apply a second coat directly over the fabric to completely cover. Do not coat the 4" fabric tail that will be used to pull the coated section after cure.

(Tip: Dab the very end of the uncoated fabric tail in coating and adhere to roof to prevent the wind from blowing it into the wet coating.)

Step 4: Allow the test areas to cure a minimum of 7 days before checking adhesion. Using a razor knife, lightly score around edges of embedded polyester fabric being careful not to cut roof membrane substrate.



Apply coating, embed polyester fabric and saturate surface.



After 7 days, attach polyester fabric to hand-held scale and pull away to observe the peel strength indicated on scale. Must be 4 pounds per linear inch or greater for acceptable adhesion to the substrate. Cool-Sil peel strength must be 2 pounds per linear inch or greater.



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