



KM COATINGS MFG.

TECHNICAL BULLETIN

TECHNICAL BULLETIN #2015-003

TO: All KM Coating Users

CC: KM Sales & Technical

RE: Field Adhesion Test Recommendation for Coating Applications

As some building owners and contractors search for less expensive options to replacing an existing roof, many are turning to the application of fluid-applied materials to an increasing variety of substrates. This trend has created increasing concerns related to adhesion as many substrates. Many substrates desired to apply such coating materials are aged, deteriorated or may have surface contaminates. Because of such conditions, KM recommends that prior to such applications, a field test to qualify adhesion be performed that is similar to ASTM C-794. Please refer to below, labeling instructions and publish Product Data Sheets for additional information.

- In a minimum of Three (3) typical roof locations, clean and prepare a minimum 4 square foot area. Clean roof by brooming, mild detergent and water rinse, or as needed by project conditions to remove any potential surface contaminates.
- Using a brush apply 24 wet mils of the base coat material, immediately embed a 1" wide by 12" long piece of KM Polyester and brush in to fully wet the fabric. Overcoat with 16 wet mils of base coat and allow to fully cure. Cure time of 7 days or as required depending on climatic conditions and product.
- Taking the loose, non-bonded end of fabric, carefully cut along both sides of fabric 1" long, pull upwards at a 90 degree angle from the roof surface using a fish scale or similar device to measure lbs of force. Peel results should read approximately 10 lbs of force and primarily a cohesive mode of failure. Tests not using a measuring device, failure mode must be 100% cohesive.

Special circumstances and questions should be addressed to KM Coatings Mfg Technical Services Department.

This bulletin is not intended to supersede any OSHA or regionally applicable health and safety guidelines. If questions arise regarding required personal protective devices, contact your local OSHA or governing department office.