UNIFLEX
Fluid Applied Roofing Systems
C.6.20

TECHNICAL BULLETIN

Technical Bulletin_E

RE: Moisture Survey Analysis Requirements - Uniflex Warranty Program

Moisture Survey must be performed within the guidelines of the Standard Practices for Moisture Surveying of Roofing and Waterproofing Systems by a person qualified and certified to provide proper interpretation of non- destructive moisture Survey data, requires knowledge of infrared theory, moisture migration, heat transfer, environmental effects, and roof construction as they apply to roof moisture analysis.

A Moisture Survey is required for all Uniguard warranties. Uniflex standards related to Moisture Survey requirements are listed below. **Special note: Uniflex does not accept Tramex RWS handheld unit results for Uniguard Warranty requests regardless of roof size. Tramex DecScanners are allowed.**

1. All Moisture Surveys and Reporting must meet the criteria as set forth in the most current versions of **ASTM C1153- Standard Practice for Location of Wet Insulation in Roofing Systems Using Infrared Imaging, ASTM D7954- Standard Practice for Moisture Surveying of Roofing and Waterproofing Systems Using Non-Destructive Electrical Impedance Scanners, Florida Building Code TAS 126-95- Standard Procedures for Roof Moisture Surveys.**
2. All Moisture Surveys and Reporting shall be conducted by a person qualified to do so as defined in the most current version of **ANSI/ASNT CP-105.**
3. 10- & 15-year warranties; Contractor shall retain a copy of their Moisture Survey analysis report on file for the warranty period and provide it to Uniflex upon request. Don't hesitate to contact Uniflex Technical about approved types of reports and specific testing for select substrates if you still have questions after reviewing the following information.
4. An Independent 3rd Party Moisture Survey & Report must be submitted at the time of the warranty request for the following:
    - **All Requests for 20 Year Warranties**
    - **All Recovered Roof Systems**
    - **All Roof Assemblies containing LWSC or LWIC**
    - **All existing SPF systems**
5. All Tar & Gravel BUR roof assemblies require a Nuclear Scan Analysis report; this also applies to recovered Tar & Gravel roofs. Tar & Gravel roofs with gravel having 1/4" or less faced gravel may qualify for analysis using Thermography; contact Uniflex Technical for approval.
6. Evidence of Approved and Calibrated Moisture detection equip must be provided upon request by Uniflex.
7. All field data collected from non-destructive moisture testing is relative and must be quantified by
   - core cuts that identify the existing roof assembly.
   - Core cuts should provide clear evidence of the surrounding area (wall, parking lot, HVAC units.)
   - Core cut voids shall give a clear view of the deck in place. Uniflex may request additional core cuts.
8. Some Moisture Survey practices are not appropriate for all combinations of material sused in froofing a and waterproofing systems. **Example - Impedance Scanner methods do not qualify for Uniguard Warranties when used to determine moisture conditions in EPDM roof assemblies.**

   Please consult with Uniflex Technical Team to ensure that your Survey meets Uniflex standard requirements.

Excess moisture trapped in roofing or waterproofing systems can adversely affect performance and lead to premature failure of roofing or waterproofing systems and its components. These practices alone do not determine the cause of moisture infiltration into roofing or waterproofing systems; however, it can be used to help tracing excess moisture to the point of ingress. All field data collected from non- destructive moisture testing is relative and must be quantified by core cuts. Additional core cut requirements may be requested by manufacturer. Some Moisture Survey practices are not appropriate for all combinations of materials used in roofing and waterproofing systems. The need for Moisture Surveys are consistent with market competitor requirements, published guidelines and best roofing practices.

Regards,
Uniflex Technical Department