MOISTURE REMOVAL POLICY

Independently from what method(s) is(are) chosen to identify any existing moisture, BITEC Standard Specifications call for removal of all moisture from existing roofing assemblies for coating, re-cover (i.e. using a cover panel), membrane-to-membrane overlayment and partial tear-off projects.

Wet materials must be replaced with compatible products to bring the areas back level with surrounding surfaces. Joints at cut-out areas must also be stripped over with membrane or reinforced coating products before proceeding with the finished system.

Exceptions to the above guidelines include:

- Roof decks that are not insulated from above, having the roof membrane system attached to the structural deck, non-insulated thermal barrier, or a fastened base sheet.
- Roofing systems that are applied over lightweight insulating concrete decks, which are designed to contain residual moisture with proper venting. In such cases, BITEC recommend performing fastener withdrawal tests in accordance with the guidelines of *ANSI/SPRI FX-1 Standard Field Test Procedure for Determining the Withdrawal Resistance of Roofing Fasteners*.

An infrared moisture scan is highly recommended for most situations; however, BITEC acknowledges that contractors may elect to perform a moisture "survey" for **coating**, **re-cover** and **partial tear-off** projects. At a minimum, the moisture survey should include a thorough visual inspection of the roof or exposed insulation, familiarization with any leak history, and a sampling of core cuts to randomly inspect areas, as well as target areas suspected of having moisture.

In the event of **membrane-to-membrane overlayments**, which must be approved prior to project start by BITEC Technical Management, an infrared moisture scan is also required to be submitted to BITEC prior to project start. All areas where potential moisture is detected must be verified by means of core cuts. While we request such a report as a matter of record, BITEC ultimately defers to the installer, general contractor, specifier, and/or Owner's representative to select the service provider and interpret the results of the report to accomplish the specified moisture removal and substrate condition.

We offer the following cursory list as recommendations when considering a company to perform moisture scan services.

- Professional radiometric thermal camera with appropriate sensitivity and resolution.
- Performed typically after sunset.
- Weather conditions allowing for a dry roof, adequate daytime heating, favorable wind and temperature conditions.
- Provision of a report that correlates anomalies with moisture-meter readings and selective test cuts or cores.

Please contact your local BITEC representative for any questions or more project-specific information.