



Technical Bulletin

**Ref: Light Weight Insulating Concrete / Light Weight Structural Concrete**

Due to the varieties of the “lightweight concrete” roofs and decks, the following are Uniflex’s minimum standards for coating options over LWC. The following criteria must be met for the roof to qualify for a warranted Uniflex coating. The execution of the requirements is not variable or flexible.

**Requirements:**

- A certified third-party firm must perform Moisture scans appropriate to type of roof surfacing and depth of LWC, be qualified to perform such test, and results shall be submitted via a comprehensive report to Uniflex Technical department for review (aerial view of roof, areas identified as wet, roof cores showing roof layers, views roof structural decking, percentage of moisture and related).
- Moisture content shall not exceed 20% within *any* of the roof assembly components.
- Removal and replacement must remediate moisture *content* 20% or higher.
- Roof assembly shall have a means of drying out continuously (i.e., HVAC system adjustments, rooftop venting system). **Note:** Oneway vents are not considered as a means of drying out continuously.
- Deformations/deflections/fragmentation/ wet sections within the LWC roof assembly shall be corrected to provide a dry and sound LWC substrate.
- The roof shall not have a “recovered roof” condition in place.
- Wet insulation shall be replaced with new like material.
- Note: Changes to a roof assembly may require review by a Professional Engineer.

**Note: Based on your state and local building codes the, following may be required.**

- Five (5) 12”x12” roof cuts shall be removed from the current roof assembly to inspect deck soundness every 10,000 square feet in areas where moisture 20% or more are recognized.
- Fastener conditions shall be reviewed for soundness and performance (corrosion, pull value). Pull value tests shall be performed by certified third-party firm qualified to perform such examination, results shall be submitted via a certified report to Uniflex Technical department for review.
- Performance of roof membrane assemblies designed for installation in full adherence to the substrate shall have the overall performance examined. Uplift test report verification required.
- Under deck observations (where possible) shall be conducted to review soundness of existing structural deck and roof structural members.

Thank you,

Uniflex Technical