

INNOVAPANEL® TECHNICAL BULLETIN

TB-002

Liquid Applied Roofing Systems for InnovaPanel® MgO Roof Panels
Built Different. Built Stronger.

Roof Preparation

All panel joints, fasteners, penetrations, and transitions shall be sealed with approved vapor tape before application of the roofing system.

Seam Reinforcement

All joints, flashings, and penetrations shall receive liquid membrane with embedded reinforcing fiberglass fabric.

Full Fabric Requirement

A minimum of one full embedded reinforcing fabric layer is required over the entire MGO roof surface and shall not be omitted. Uniflex® Polyester Fabric 40" x 324' roll or approved equal. Apply base coat and any subsequent coats in thickness required by the Uniflex and/or approved equal manufacturer's specifications.

Finish Membrane

Install Sherwin-Williams Uniflex finish coats per published requirements by an approved installer. Complete all of Sherwin-Williams (Uniflex) installation requirements for issuance of a 10- or 15-year warranty.

Architect / Engineer Notes

Specify vapor-taped joints, taped fasteners, reinforced flashings, and a full fabric reinforced membrane system to maintain roof performance and warranty eligibility.

Important Notice

Failure to follow these procedures may adversely affect long-term performance and warranty eligibility. This bulletin supplements the roofing manufacturer's published instructions.

Key Takeaway

A properly prepared InnovaPanel roof assembly with vapor-taped seams, reinforced flashing details, and a full fabric liquid-applied roofing system provides a durable, energy-efficient, and warrantable roof assembly.

NOTE: Structural Insulated Panels use closed-cell EPS insulation. This continuous insulation is a vapor barrier. Any roofing system installed over a SIP roof must have a vapor-permeable base sheet for moisture management, or the roof system must be vapor-permeable.

Step 1 – Vapor Tape All Panel Joints



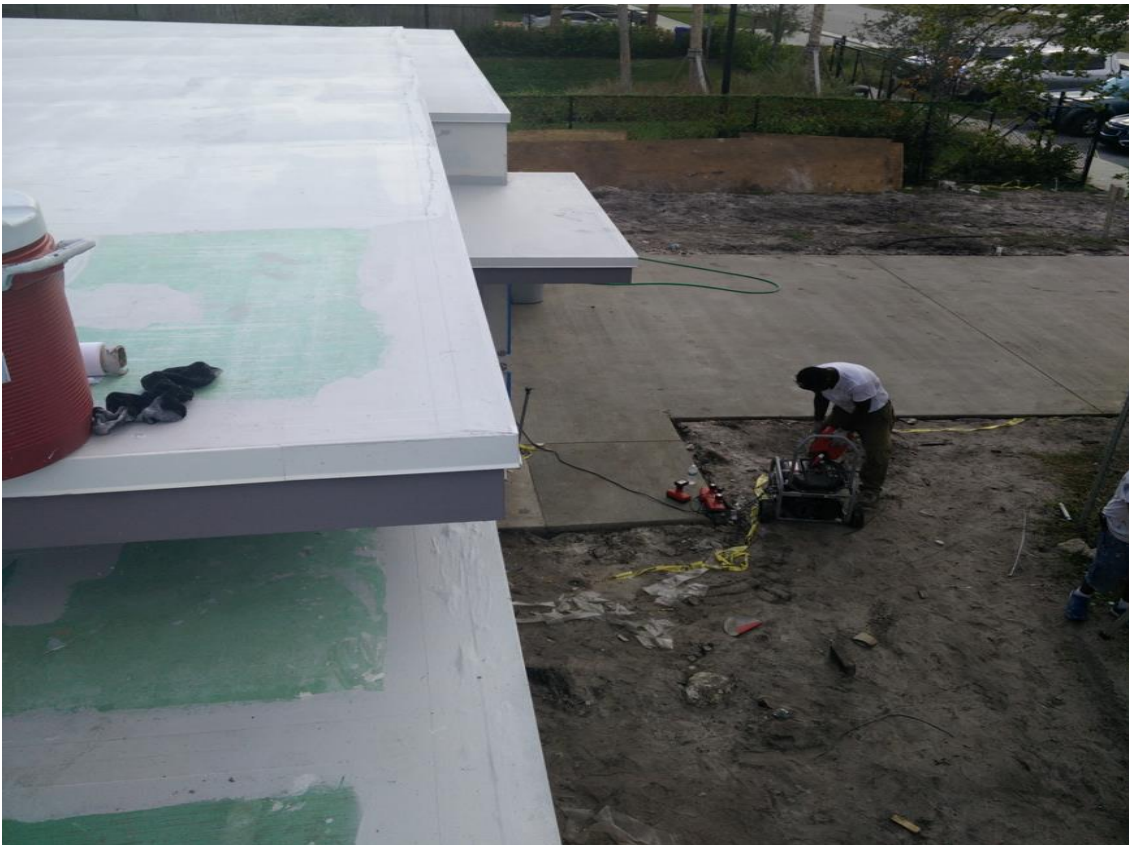
All panel seams, fasteners, penetrations, and transitions shall be sealed with approved vapor tape before roofing application.

Caution: Do not install the vapor seam tape until you are ready to install the roof coating. Subjecting the roof deck to prolonged inclement weather after the seams have been taped can result in moisture trapped within the system.

Step 2 – Reinforce All Seams



Apply liquid membrane and embed reinforcing fabric at all vapor-taped joints, penetrations, flashings, and transitions.



Step 3 – Full Fabric Reinforcement System



A minimum of one full fabric reinforcement layer impregnated with the coating is required.

Step 4 – Final Liquid Applied Membrane Application



Apply finish membrane coats in accordance with Sherwin-Williams Uniflex® requirements. Additional applications for the coatings may be required until the

specified thickness of the system is achieved. The coating can be applied by spraying or rolling.

Completed Roof Assembly



Completed reflective roof assembly demonstrating continuous insulation and waterproof protection.

Architect / Engineer Notes

InnovaPanel requires vapor tape at all panel joints and fasteners before roof membrane installation. Sherwin-Williams Uniflex® systems are approved when installed by qualified applicators in accordance with manufacturer's requirements. A minimum of one full reinforced fabric layer is required to qualify for the Sherwin Williams Uniflex warranty.

Key Takeaway

A successful liquid-applied roofing system begins with a properly sealed SIP roof. Combining vapor-taped seams, reinforced flashing details, full fabric reinforcement, and a liquid-applied membrane system creates a durable, energy-efficient, warrantable roof assembly.