



# TECHNICAL BULLETIN

## ADHESION AND CHEMICAL COMPATIBILITY OF AIR-SHIELD WITH GENERIC CONSTRUCTION MATERIALS

Generic Building Material	Compatibility	Installation Notes
Exterior Gypsum Sheathing	Recommended	Must Prime with MEL-PRIME®. Due to their porosity, exterior gypsum panels may require two coats of primer to achieve necessary surface tack. Moisture content of Fiberglass Faced Sheathing shall be less than 5%.
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PLYWOOD	Recommended	Must Prime with MEL-PRIME®. Moisture content of wood shall be less than 20%. OSB or Treated Lumber: OSB and treated lumber may have a surface residue that will interfere with adhesion, on-site testing for adhesion is recommended prior to full scale application.
OSB		
Pressure Treated Lumber or Fire-Treated Lumber		
Structural Steel	Recommended	Must Prime with MEL-PRIME®. Remove Loose rust and scale. Degrease.
Concrete	Recommended	Must Prime with MEL-PRIME®. Allow concrete to cure 3 days minimum.
CMU, Brick and Non-Porous Stone	Recommended	Must Prime with MEL-PRIME®.
Aluminum	Recommended	Must Prime with MEL-PRIME®.
Copper Flashing	Recommended	Must Prime with MEL-PRIME®.
Stainless Steel Flashing	Recommended	Must Prime with MEL-PRIME®.
Rigid PVC	Recommended	Must Prime with MEL-PRIME®.
Flexible PVC	Not Recommended	Chemically Incompatible.
Acrylic-based Painted Surfaces	Recommended	Use MEL-PRIME WB Only. Do Not Use Solvent Based Primers.
Poly-faced EPS and XPS Insulation	Not Recommended	Cohesively Weak Substrate.
Closed Cell Spray Foam.	See Installation Notes	Membrane over Foam: Not Recommended. Spray Foam over AIR-SHIELD: Recommended, must follow maximum allowable thickness per pass as established by the foam manufacturer and/or SPFA requirements. Over application of foam in single pass will cause excessive heat build-up which may result in shrinkage and delamination of membrane.

Note: All Surfaces must be dry, clean and sound. Prime all surfaces with the appropriate MEL-PRIME® for substrate type and regulatory requirements.

These recommendations are intended to assist the licenses design professional and the installer to understand compatibility. These recommendations shall not supersede project specifications and are not standalone. All W.R. MEADOWS products must be installed per the appropriate drawings, details and literature. This document does not extend any approval for use beyond the provisions in W.R. MEADOWS published warranties.