

Innovation MgO Wall Panels are highly durable and effective in resisting damage to water during normal construction conditions and for the life of a home or building. Like wood, gypsum, and Portland cement-based panels, Innovation MgO panels are not approved for permanent exterior use and exposure to the elements, instead serving as a structural base for the attachment of many types of finishes and claddings.

Unlike wood and gypsum-based panels, Innovation MgO Wall Panels will not delaminate, swell, warp, bend, or deteriorate due to rain and humidity during and after construction.

Panels are designed to accommodate repeated water exposure, wetting-drying cycles, and freeze-thaw cycles during normal construction.

In exterior installations, panels require the use of an approved Water-Resistive Barrier (WRB) between the sheathing and the final finish material attaching to it.

Innovation MgO Wall Panels offer an exposure rating of 180 days during which they may be fully exposed without concern for deterioration or diminished strength. Beyond 180 days, panels must be protected from the elements either by temporary closure or by a properly installed WRB.

Panels accommodate all code-recognized WRBs, including fluid-applied systems, adhered membranes, and mechanically-attached building papers and synthetic sheet products.

Compatible Water-Resistive Barriers (WRBs)

Fluid-Applied Systems

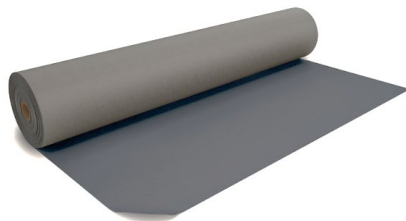
Panels' uniform and smooth exterior surface serve as an ideal substrate for many fluid-based WRBs that include acrylics, hybrid-acrylics, silicones, polyurethanes, and polyethers. Common application methods such as trowelling, spraying, and rolling may be used in accordance with product manufacturer's guidance. Ancillary liquid flashings and sealants may be applied directly to panel surfaces including panel edges that commonly receive such materials at rough openings and control joints.

Fluid systems show poor adhesion to most damp and wet substrates including Innovation MgO Wall Panels. Ensure that panels are sufficiently dry prior to coating. Installed coatings also vary widely in their adhesion under prolonged wetting. Compatibility and adhesion should be evaluated to verify substrate suitability under expected in-service conditions.

Fluid-applied WRBs have specific requirements for maintaining continuity at panel joints, flashing transitions, and terminations. Follow guidance outlined by the WRB manufacturer.

Adhered Membranes

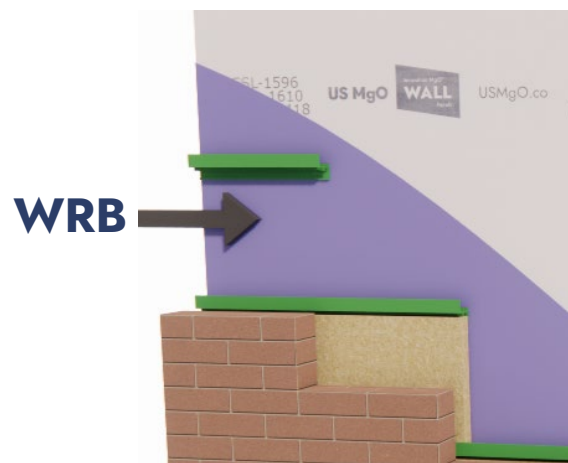
Any code-recognized adhered membrane may be used on Innovation MgO Wall Panels. These products rely largely on acrylic-based adhesives that show high bond strengths to the finished panel surface. Due to these higher affinities, repositioning times may be slightly reduced. Back-rolling should occur only after the membrane is properly positioned. As with fluid systems, adhesion and suitable substrate conditions warrant field verification.



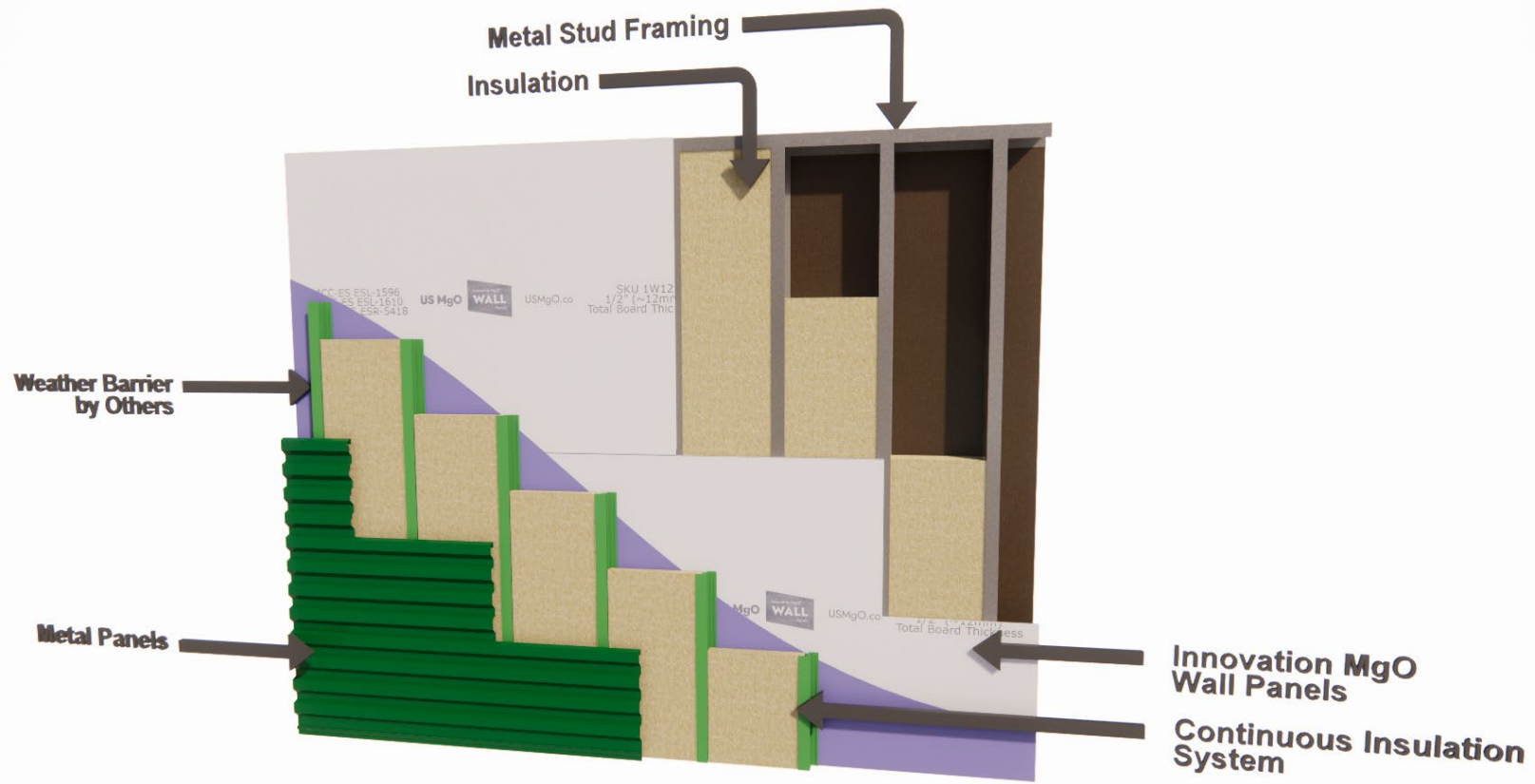
Papers & Mechanically-Attached WRBs

Building papers and mechanically-attached WRBs offer acceptable weather protection of Innovation MgO Wall Panels. Code-recognized insulation boards with integrated WRB systems are also approved.

Attached products must be installed per the product manufacturer's installation requirements including proper integration at laps, transitions, fenestrations, and other key interfaces. Avoid excessive fastener penetrations whether by staples or other approved fasteners.



Metal Studs + Innovation MgO + WRB



Wood Studs + Innovation MgO + WRB

