

## Approved Substrate Reference Guide

### APPROVED SUBSTRATES

- **Glass mat faced gypsum sheathing in compliance with ASTM C1177**
- **Water-resistant exterior fiber-reinforced gypsum sheathing panels in compliance with ASTM C1278**
- **Gypsum sheathing in compliance with ASTM C79**
- **Exterior or “Exposure 1” wood - based sheathing - plywood and OSB (Oriented Strand Board)**
- **Sound, prepared masonry, concrete or Portland cement plaster/ stucco**
- **3.4 Self-Furring Metal Lath (For retrofit use only. See Tique Wall Systems Representative for adhesive instructions)**
- **All sheathing substrates listed above can be treated Tique Wall Systems Liquid Weather Resistive Barrier, for added moisture protection and air infiltration resistance.**
- All sheathing substrates should be handled and installed in accordance with code requirements and manufacturer recommendations. Sheathing should be free from surface defects or moisture damage. Damaged sheathing should be replaced. Poured concrete must be free of form oil, curing compounds or release agents. A detergent wash, waterblasting or sandblasting is typically required to remove such surface contaminants. Other masonry surfaces, brick or concrete block, should be free of surface contamination such as efflorescence. Efflorescence is a white chalky deposit on the surface that is caused by moisture migration through the masonry. Generally wire brushing will remove efflorescence from masonry surfaces. Failure to properly prepare the substrate can result in delamination of the EIFS. Mechanical attachment is discouraged because fasteners are thermal bridges to the exterior that defeat the purpose of exterior insulation. They can also “telegraph” through the finished wall surface as the EIFS ages and they may limit wind load resistance of the system. The only instance in which mechanical attachment is advised is when adhesion to the substrate is not possible or questionable, such as a painted substrate.



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