

## Graphite Polystyrene (GPS) Application

This document will describe the application procedure for GPS insulation in applicable Dryvit® Outsulation® Systems. GPS is approved for use in the following Outsulation Systems:

- Outsulation
- Outsulation Plus MD
- Outsulation Plus MD Securock ExoAir 430
- Outsulation RMD
- Outsulation HDCI
- Outsulation HDCI Securock ExoAir 430
- Outsulation LCMD 1-5
- Outsulation PE
- Outsulation PE Securock ExoAir 430
- Fedderlite®
- Fedderlite M

It is important to provide protection from the elements including sun reflection for GPS insulation boards. Opaque coverings such as tarps are recommended when the insulation is exposed, do not use clear stretch wraps. GPS boards shall be manufactured in accordance with the specification [DS131](#).

### Materials Required

The following materials are required for the installation of GPS boards:

- Adhesive: Dryvit Genesis® or Genesis DM
- Type I, II or IL Portland Cement (required when using Genesis)
- Mechanical fasteners and plastic washers as specified in [DS135](#)
- Notched trowel as specified in [DS218](#)

For any wall requiring an ASTM E119 fire rating, Genesis must be used as the base coat and adhesive.

### Mixing

Preparation of Genesis shall be done in accordance with the Outsulation Plus MD Application Instructions, [DS218](#), or applicable product literature.

### GPS Board Installation

1. Verify the substrate complies with the system specification.
2. Adhesive Application
  - a. Cementitious Adhesive: Apply the Dryvit adhesive with the notched trowel to the back of the board per [DS218](#).
3. Position the insulation board horizontally on the substrate. Press the board gently to the substrate and slide it into position. Apply firm pressure over the entire surface of the insulation board to ensure uniform contact and high initial grab.

4. Immediately install the specified supplemental mechanical fasteners and plastic washers. Fastener placement will be dictated by substrate and framing spacing, use the fastener pattern detail below. Fasteners shall be installed per Sections VI.B-VI.F of [DS135](#).
5. All fasteners shall be treated with Genesis and Allowed to set-up before base coat application over the entire wall surface.
6. Allow adhesive to cure for a minimum of 24 hours before base coat application.

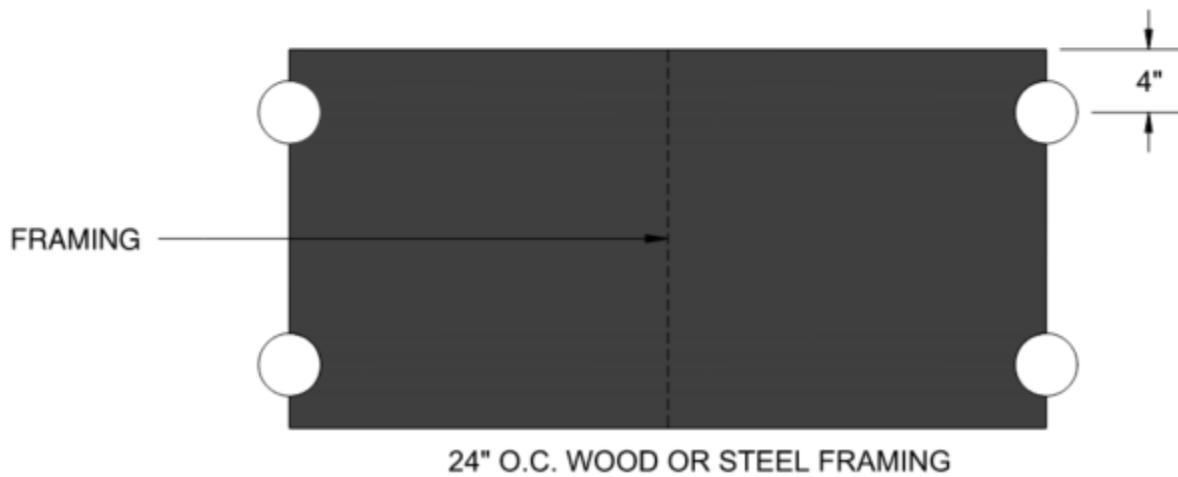
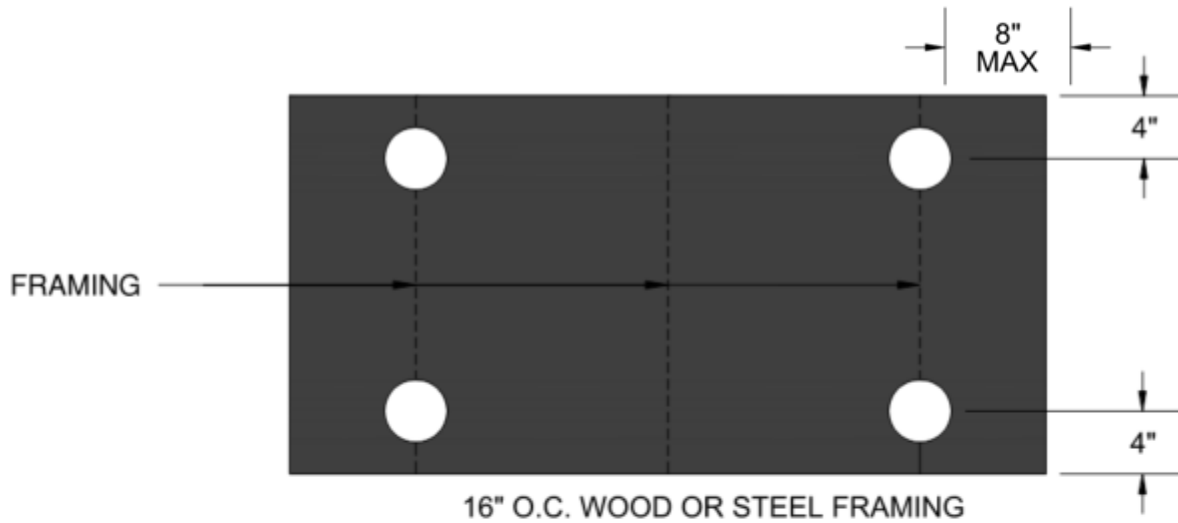
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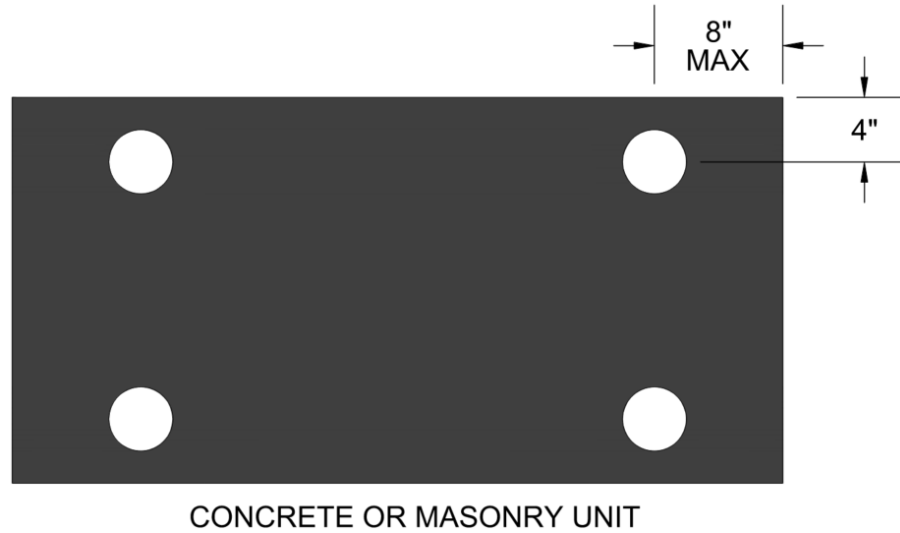
Base Coat Application

1. The Base coat shall be applied over the entire wall surface per [DS218](#).

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Fastener Pattern Detail





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