

## Technical Tip

### Huber OSB T&G Flooring For Manufactured Housing Applications

**Regulatory Acceptance:**

Huber Oriented Strand Board (OSB) tongue and groove flooring panels are manufactured in conformance to PS-2, Performance Standard for Wood-Based Structural-Use Panels. Huber panels bear the stamp of TECO, a qualified testing and inspection agency and meet requirements of the HUD Manufactured Home Construction and Safety Standards and the model building codes. All performance rated panels have HUD/FHA acceptance under Materials Release #MR-1130a.

**Storage:**

Huber flooring panels should be stored flat, in a ventilated, dry area. Units should be set up on supports to prevent direct ground contact of panels.

**Span Rating:**

Huber flooring products should be installed over a joist system that is code approved. Maximum joist spacing should not exceed 20" on center for 19/32" panels and 24" on center for 23/32" panels. Panels are to be installed with long dimension across the joist system.

**OSB Panel Installation:**

At all contact points between the flooring panels and framing members, apply an approved PVA water based adhesive or urethane base adhesive as required or recommended by your Design Approval Primary Inspection Agency (DAPIA). The use of a water based adhesive on the tongue and groove edge is not recommended.

Panels must be installed perpendicular to the floor joists system with end panel spacing a minimum of 1/16" to not more than 1/8". Tongue and groove edges are designed to provide a 1/16" gap. The gap may be increased to 3/32" if needed. Due to alignment variances in the wood frame system, it may be necessary to lightly butt the panel ends. Whenever possible, the spacing requirements (1/16" to 1/8") should be maintained.

Fasteners that are used must be of a length that will penetrate the framing member at least 1". Either ring shank or screw shank nails, screws, or 7/16" crown (15 or 16 gauge), chisel point staples should be used. Fasteners should be applied 3/8" from panel edges and spaced 6" on center at the perimeter and 10" on center at intermediate support locations.

**Cutouts:**

Cutouts for plumbing and electrical access should be oversized by appropriate clearance margins to avoid a force fit. Treatment of cutout exposed edges using a waterproof sealer is required by HUD.

**Vapor Barriers:**

Vapor barriers should be used and maintained as necessary to protect the flooring product from any ground evaporating moisture development. This can be accomplished by a layer of polyethylene film attached to the bottom of the floor joists or covering ground area beneath the home.

**Finished Flooring:**

All foreign material must be removed from panel surfaces prior to finish floor covering being applied. Consult and follow the appropriate application instructions provided by the finished floor manufacturer.