

Technical Tip

AdvanTech® Flooring Installed as Roof Sheathing.

AdvanTech® flooring can be used as roof sheathing. Roof applications are generally designed using more liberal deflection criteria than floors (i.e., L/240 deflection criteria for roof live loads vs. L/360 or tighter deflection criteria for residential floor live loads). If AdvanTech flooring is used in a roof application the L/240 deflection criteria is generally acceptable. Flat roof applications should always be designed to eliminate the potential for ponding. Typically, designers will use a deflection criteria of L/360 or tighter. Unlike AdvanTech Sheathing, AdvanTech flooring is a sanded product. If AdvanTech Flooring is used in sloped roof applications, installers should be aware that the panel surface is smooth causing foot traction to be different than that typically experienced with sheathing products. Toe-boards or other means of improved footing may be appropriate when using AdvanTech flooring in sloped roof applications.

AdvanTech panel installation

- AdvanTech flooring used in a roof application is limited by its loading (check load span table) given its application and deflection criteria.
- Install panels with long dimension perpendicular to rafters or trusses.
- Use #9 wood screws or 8d ring shank, screw shank or common nails. Fasteners should penetrate the framing members at least 1". Adhesives are not recommended.
- Space fasteners no greater than 6" o.c. at supported ends and no greater than 12" o.c. at intermediate supports. (engineered structures may require tighter o.c. fastening schedules)
- Provide 1/8" expansion gap at 4-foot ends. T&G joint is self-spacing.
- If application is a flat roof and a rubber EPDM is to be used, check the adhesive compatibility with the AdvanTech floor panel. Generally solvent based adhesives adhere well to the AdvanTech floor panel whereas water based (latex) adhesives typically do not perform as well.

***CAUTION:** AdvanTech flooring is a sanded product and will not have the same slip resistance as an unsanded roof sheathing product for sloped roof applications. Toe-boards or other means of improved footing may be appropriate when using AdvanTech flooring in sloped roof applications.

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