

Technical Tip

What is AdvanTech™ Subfloor Adhesive?



AdvanTech™ subfloor adhesive is a high-performance, gun-applied, foam-to-gel polyurethane construction adhesive designed to aggressively bond OSB, plywood, and AdvanTech® subfloor panels to the supporting framing. It is defined by the California Air Resources Board (CARB) as a Web-Spray Adhesive.

AdvanTech™ subfloor adhesive is a moisture-curing polyurethane resin adhesive that bonds subfloor panels and joists even in wet and frozen weather conditions. Suitable substrates include AdvanTech® panels, plywood, OSB, dimensional and treated lumber, concrete, metal, gypsum wallboard, fiberglass, plastic, and masonry. Ambient and surface application temperature ranges are 20°F (-6°C) to 105°F (41°C). The adhesive exceeds ASTM D3498 and APA-AFG-01 subfloor adhesive standards by 2-5 times standard specification. It has also been tested to satisfy the requirements of ASTM C557, *Standard Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing*, and ASTM D6464, *Standard Specification for Expandable Foam Adhesives for Fastening Gypsum Wallboard to Wood Framing*.

It dispenses from the applicator gun as a foam bead of adhesive that settles into a gel adhesive in a few seconds. The gap-filling properties allow it to bridge minor imperfections or gaps found on irregular application surfaces. One 24 oz. can yields approximately 400 linear feet of adhesive at a ½" diameter foam bead (3/8" diameter gel bead). Coverage will vary based on bead size, application speed and weather conditions. It has an open time of 20 minutes, fully cures in 24 hours and has a shelf life of 18 months. Partially used cans can be reused for up to 30 days after initial attachment if left attached to the applicator gun.

When used on a single-family home, AdvanTech subfloor adhesive is backed by a 10-year squeak-free limited warranty when used with AdvanTech® subflooring panels installed over engineered joists or trusses and attached with screws or deformed shank nails. For the purpose of the squeak-free warranty, squeaks are defined as a noise caused solely by the failure of the subfloor adhesive to maintain a bond between the joist and subfloor.

Please visit www.AdvanTechSFA.com or contact our technical department at 800-933-0220 Ext 2716 or techquestions@huber.com with any questions or comments.