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.