

HF9100 Transitional Pressure Sensitive Adhesive

For use with luxury vinyl tile & plank, solid vinyl sheet goods, rubber sheet goods & tile, and vinyl & rubber stair treads. HF9100, with patented MetaTec® technology, is an advanced, cross-linking pressure sensitive adhesive featuring high aggressive peel and shear strength. This solvent-free, nonflammable, easy troweling product provides excellent installations for tile-over-tile applications, luxury vinyl tile and plank, solid vinyl tile & plank, vinyl composition tile, homogeneous vinyl sheet goods, and rubber tile & sheet goods over both porous and non-porous surfaces. HF9100 has low odor, and is very quick and easy to use. It demonstrates excellent water and alkali resistance and may be used with confidence over a variety of flooring materials. Plasticizer migration resistance allows installation of a broad variety of vinyl floor products.

USE OVER: APA registered underlayment grade plywood; terrazzo; existing well adhered tile and sheet goods; radiant heated subfloors where surface temperatures do not exceed 85° F (29.40° C); and above, on, or below grade concrete in the absence of hydrostatic pressure, excessive moisture or alkalinity. The pH level of concrete must be between 5 and 9 (do not install if over 9) and moisture level of concrete must be at or below 8 lbs./1000 sq. ft./24 hours (ASTM F-1869) or 90% relative humidity (ASTM F-2170) for luxury vinyl tile and luxury vinyl plank. For vinyl back sheet goods, moisture levels must be at or below 5 lbs./1000 sq. ft./24 hours (ASTM F-1869) or 85% relative humidity (ASTM F-2170). If both tests are performed, the RH test is the qualifying standard.

SUBSTRATE PREPARATION: Substrate must be sound, smooth, clean, level, dry, and free of dust, dirt, grease, oil, paint, incompatible curing compounds or sealers, fire retardant chemicals, release agents, or any other foreign substance that might interfere with a good bond. Subfloor must be smooth and fully adhered. Subfloor must be structurally sound and smooth. All cracks and depressions must be filled and leveled with a high quality latex fortified Portland cementitious underlayment according to the instruction of the underlayment manufacturer. Do not fill expansion joints or other moving joints.

INSTALLATION: The adhesive, floor covering, and area to receive flooring must be maintained at a temperature of 65° to 95° F (18.30° to 35.02° C) and at a relative humidity of 30% to 60% for 72 hours before, during, and after installation. Follow the flooring manufacturer's guidelines regarding site conditions and installation. *Porous Surfaces:* May be used either wet or as a pressure sensitive adhesive over porous surfaces. To use wet, apply adhesive with the recommended trowel and allow to flash off for 5-10 minutes before installing flooring. Lay tile, plank or sheet goods into wet adhesive according to flooring manufacturer's instructions. Adhesive must transfer to floor product to ensure proper bond. To use as a pressure sensitive adhesive, dry to a tacky state and then install flooring according to flooring manufacturer's instructions within 3 hours.

Non-Porous Surfaces–Tile & Plank: Apply with the recommended trowel, allow to dry completely from yellow to tan, and lay in the tile or plank according to the flooring manufacturers instructions within 3 hours. The highly aggressive pressure sensitive grip prevents slippage and minimizes seam gaps. Drying time is 45-90 minutes and will vary depending on temperature and humidity. Installation over areas of incomplete drying can result in job failure.

Non-Porous Surfaces–Sheet Goods: Apply with the recommended trowel. When installing sheet goods over non-porous surfaces, HF9100 must be allowed to set open for up to 30 minutes until dry-to-touch. (Dry-to-touch is tacky but no transfer to fingers). Time required will vary with ambient conditions. Adhesive must be open enough to dry on the surface but still allow 100% wet transfer to the back of the sheet goods to ensure proper adhesion and repositioning.

Type of Installation	Trowel Size* and Notch	Coverage
Over porous substrates (Vinyl Tile & Plank, Rubber Tile, Vinyl & Rubber Stair Treads)	1/16" x 1/16" x 1/16" Sq. 1.6mm x 1.6mm x 1.6mm Sq	Up to 250 sq. ft./gal Up to 6.1 sq. meters/liter
Over porous substrates (Solid Vinyl Sheet Goods, Rubber Sheet Goods)	1/16" x 1/32" x 1/32" U 1.6mm x 0.8mm x 0.8mm U	Up to 350 sq. ft./gal Up to 8.6 sq. meters/liter
Over non-porous substrates (Vinyl Tile & Plank, Rubber Tile, Vinyl & Rubber Stair Treads)	1/16" x 1/32" x 1/32" U 1.6mm x 0.8mm x 0.8mm U	Up to 350 sq. ft./gal Up to 8.6 sq. meters/liter
Over non-porous substrates (Solid Vinyl Sheet Goods, Rubber Sheet Goods)	1/16" x 1/32" x 5/64" U 1.6mm x 0.8mm x 2mm U	Up to 400 sq. ft./gal Up to 8.9 sq. meters/liter

*Trowel dimensions are width x depth x spacing. Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held. ***IT IS THE INSTALLER'S RESPONSIBILITY TO APPLY THE PROPER AMOUNT OF ADHESIVE FOR THE JOB CONDITION.***

When installing homogenous sheet vinyl, it is recommended to trowel the adhesive, then back roll with a short-nap paint roller to minimize the possibility of trowel ridge telegraphing.

PHYSICAL PROPERTIES

Base: Amide-Ester-Acrylate Resin Blend
 Appearance: Smooth, creamy, easy to trowel. Yellow when wet, tan when dry.
 Working time: Three hours depending on temperature and humidity.
 Shelf life: One year in unopened container at 70° F (21.10° C).
 Other features: Waterproof when cured, VOC compliant, non-flammable, freeze/thaw stable to 10° F (-12.22° C). Made with anti-microbial agents that will provide its dry film with protection from fungal growth. This protection is determined using the ASTM G21 test method.
 Clean up: Warm water when wet, adhesive remover/stripper when dry.

CAUTION: DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

WARRANTY INFORMATION: This product is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects. Defective material called to our attention within one year of manufacture will be replaced. No guarantee, expressed or implied, is made regarding the performance of this product since the manner and conditions of application are beyond our control.