



☒ RESIDENTIAL | ☒ MULTIFAMILY | ☒ LIGHT COMMERCIAL | ☒ HEAVY COMMERCIAL

DESCRIPTION

An elastomeric adhesive designed for light commercial wood flooring installations that also functions as a 90% moisture barrier. Created to offer an alternative to urethane-based adhesives, Vanguard™ provides an easy-to-clean, low-odor, and isocyanate-free solution.

APPROVED FLOORING TYPES

- **Resilient:** Rubber (crumb).
- **Wood:** Acrylic Infused Plank, Bamboo, Cork (flooring, cork-backed hard surface, underlayment), Hardwood (engineered, parquet, solid).

Precautionary Note:

- Solid hardwoods must be approved or designed for GlueDown applications

APPROVED SUBSTRATES & SURFACES

- APA underlayment-grade plywood and OSB
- Association-grade particleboard.
- Cement backer board.
- Cementitious and anhydrite screeds.
- Concrete and radiant heated subfloors that do not exceed 85°F (30°C).
- Existing well-bonded non-cushion-backed vinyl, tile and sheet flooring.
- Fully secured cork underlayments.
- Gypsum and lightweight concrete (porous).
- Terrazzo (properly prepared with all waxes and surface finishes removed).
- Well-bonded residue from cutback adhesives.

SUBSTRATE TESTING

RH [ASTM F2170]	90% RH
pH [ASTM F710]	No Testing Required (5-14 pH)
MVER [ASTM F1869]	10 lbs MVER
Porosity [ASTM F3191]	Must pass, CSP 1+

Precautionary Note:

Moisture protection is only available when using the relevant required trowel(s) (¼" x ¼" V-Notch or ½" x ½" V-Notch) for installation.

SUBSTRATE & SURFACE PREPARATION

1. All substrates or surfaces must be porous per ASTM F3191 and prepared per ASTM F710 standards including, but not limited to the following:
 - Concrete floors must be dry, clean, smooth, flat, and structurally sound. They shall be free of any foreign materials that might prevent proper absorption, including dust, dirt, solvent, paint, wax, oil, grease, contaminants from sweeping compounds, residual adhesive, adhesive removers, incompatible sealers, fire-retardant chemicals, fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew, unapproved mixtures, and curing, sealing, hardening or parting compounds.
 - Fill all surface cracks, grooves, depressions, control joints and non-moving joints with moisture-resistant patching and self-leveling compounds, allow to fully cure and correct high spots before application.
2. The substrate, any added subfloor coatings, product (Vanguard™), and flooring must be acclimated in an enclosed building with the HVAC operational between 60-95°F (15.5-35°C),

and between 30-65% relative humidity, for at least 72 hours before, during, and permanently after the installation.

- When installing over radiant heated subfloors, turn the heat off for 24 hours before, during, and 24 hours after installation. Failure to turn the heat off may result in shortened working time of the adhesive. When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5 degrees per hour to a maximum of 85°F (29°C).
- Wood underlayments must have a moisture content below 12% using a Tramex or Delmhorst moisture meter.

Precautionary Note:

- When installing thin-gauge wood (solid or engineered), irregular substrates may telegraph through as adhesive pulls wood down during curing stages. Therefore, substrates must be properly leveled (per ASTM F710) to prevent telegraphing.
- Concrete must be placed in strict accordance with applicable standards and specifications. An intact moisture vapor retarder must be present below the concrete (per ASTM E1745), must be fully cured (at least 45 days), porous (per ASTM F3191), without hydrostatic pressure, without pressurized liquid from any source, and free of surface alkaline salt crystallization.
- When used as a concrete moisture vapor barrier, the substrate must be porous per ASTM F3191.
- Flooring must be acclimated per manufacturer's guidelines.

APPLICATION INSTRUCTIONS

Follow flooring manufacturer's guidelines for layout, design and any special precautions for installation.

1. **Spread adhesive** using required tool(s). Not all tools offer moisture protection (see tool chart below).
2. **Install flooring** immediately after adhesive is spread dependent upon the desired application and method, per manufacturer's instructions (flash and working times depending on temperature and humidity). Periodically lift flooring material to verify proper transfer of adhesive. If transfer is not achieved, simply remove the dried adhesive and reapply.
 - For Acrylic infused plank, bamboo, cork-backed hard surface, and Hardwood (engineered, parquet, solid):
 - Secure the initial row with approved blue tape to limit movement and hold patterns (tape strap joints as needed).
 - When installing near a solid object or wall, use wedges to allow for expansion (allow 2 hours before removing wedges).
 - Working time ~45-60 minutes.
 - For Cork (flooring, underlayment), and crumb rubber:
 - Use a hand roller to work out trapped air (center to edge).
 - Do not walk, kneel, or work directly on top of flooring without the proper use of knee-boards for at least 60 minutes after flooring is installed.
 - Working time ~45-60 minutes.
3. **Roll and cross-roll floor** with 75-100 lb roller within 2 hours of the installation to ensure proper adhesive transfer. Check flooring after 2 hours and roll again if necessary.

Precautionary Notes:

- Moisture protection applications must have 100% adhesive transfer.
- For installation instructions on wood over 5" wide or 6' long, call Urban Surfaces Product Support at (951) 597-3839.
- When installing unfinished wood, wait 72 hours before sanding.
- Reseal lid when not in use to protect product.



VANGUARD

3202 | WOOD ADHESIVE & 90% MOISTURE BARRIER

TECHNICAL DATA SHEET

URBAN SURFACES

CLEANING INSTRUCTIONS

- **While product is still wet:** Use a damp cloth and water to remove.
- **While product is dry:** Use a remover/stripper, denatured alcohol or mineral spirits. Always check compatibility on a piece of scrap flooring.

STORAGE

This product should be stored at temperatures between 50-90°F (15-32°C). PROTECT FROM FREEZING. This product is freeze-thaw stable to 10°F (-12°C) for 3 cycles, but it is necessary to protect it from freezing. Reseal lid when not in use to protect product.

CAUTION

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

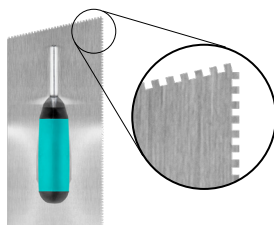
WARRANTY INFORMATION

For warranty information, call Technical Services (toll-free) at (800) 492-8722 and visit us online at urbansurfaces.com. Urban Surfaces' written pre-installation and installation instructions must be strictly followed or the Urban Surfaces warranty will be rendered void.

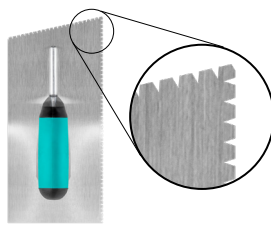
FLOOR ROLLER

HEAVY DUTY 75LB STEEL FLOORING ROLLER

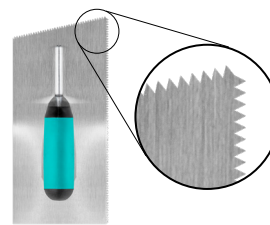
Complete your installation by rolling and cross-rolling your floors with a 75-100lb floor roller to ensure a proper bond.



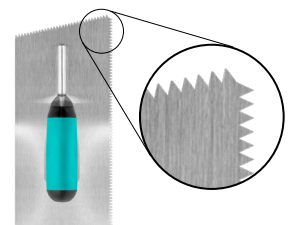
Square-Notch Trowel
1/8" x 1/8" x 1/8"



V-Notch Trowel
3/16" x 1/4" x 5/16"



V-Notch Trowel
1/4" x 1/4"



V-Notch Trowel
1/2" x 1 5/32"

REQUIRED TOOLS AND COVERAGE

INSTALLATION TYPE	FLOORING TYPE	TOOLS*	ESTIMATED COVERAGE**
Bond Only	WOOD: Cork (flooring, cork-backed hard-surface, underlayment), Hardwood (parquet)	Square-Notch Trowel 1/8" x 1/8" x 1/8"	~ 60-70 sqft/gal
Bond Only	WOOD: Acrylic Infused Plank, Bamboo, Hardwood (engineered, solid) RESILIENT: Rubber (crumb)	V-Notch Trowel 3/16" x 1/4" x 5/16"	~ Up to 50 sqft/gal
Moisture Barrier	WOOD: Acrylic Infused Plank, Bamboo, Hardwood (engineered, solid [planks less than 6' long and 5" wide])	V-Notch Trowel 1/4" x 1/4"	~ 25-30 sqft/gal
Moisture Barrier	WOOD: Acrylic Infused Plank, Bamboo, Hardwood (engineered, solid [planks less than 6' long and 5" wide])	V-Notch Trowel 1/2" x 1 5/32"	~ Up to 20 sqft/gal

Trowel dimensions are Width x Depth x Spacing. *It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the correct amount of adhesive for the job conditions and ensure that all instructions, procedures and practices are strictly adhered to. **Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held.



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TECHNICAL DATA SHEET



PRODUCT CHARACTERISTICS

Product Classification	90% Moisture Vapor Barrier, Elastomeric Adhesive
Base Chemistry	Modified Urethane (Isocyanate Free)
Curing Method	Moisture Cure
Appearance/Color	Off-White
Odor	Extremely Low
Consistency	Smooth, Medium Viscosity Liquid
Application	Easy Troweling
Flammability	Non-Flammable
Freeze/Thaw	Protect From Freezing, Stable to 10°F (-12°C) [3 cycles]
Shelf Life [Unopened Container at 70°F]	1 Year

TESTING

Moisture Control	Protects Flooring From 90% Substrate Moisture Vapor
RH [ASTM F2170]	90%
pH [ASTM F710]	No testing required (5-14)
MVER [ASTM F1869]	10 lbs
Porosity [ASTM F3191]	Must pass (CSP 1+)

TIME

Open Time	0 min
Flash Time	N/A
Working Time	45-60 min
Cure Time	12 hrs
Pot Life	N/A

TRAFFIC

Light Traffic	6 hrs
Heavy Traffic	6 hrs
Rolling Loads	N/A

ACCOUSTICS*

STC	N/A
IIC	N/A
Delta ΔIIC	N/A

SUSTAINABILITY

Solvents	No
Isocyanates	No
VOC Wet Applied [g/L] [SCAQMD Rule #1168]	< 0.1 g/L
Bio-Based Content	No
Post-Consumer Recycled Content	No
Mineral Abundant Content	Yes
LEED v4/4.1 Points	Contributes to Low Emitting Materials
Certifications	FloorScore®, Green Label Plus®, GREENGUARD®, Material Health Certificate - Silver
Transparency	Mindful MATERIALS Library, Red List Free (LBC version 3.1), USGBC Member

WARRANTY**

Duration (non CFI Certified)	10-Year Performance Warranty
Duration (CFI Certified)	Lifetime Performance Warranty
Coverage	Bond, 90% Substrate Moisture Vapor

*IIC (delta) and STC (delta) ranges are flooring assembly specific based on third party testing and verification in a controlled environment.

**For warranty information, view Product Warranty Certificate. | For any questions or further information, please contact Urban Surfaces.

(800) 492-8722 | info@urbansurfaces.com | urbansurfaces.com | Revised July 11, 2025