

APPROVED FLOORING TYPES

- Acrylic impregnated plank • Bamboo flooring • Cork flooring
- Cork-backed hard surface • Cork underlayment
- Hardwood (solid, engineered, parquet)

DESCRIPTION

In the realm of multi-functioning wood adhesives, IRONWOOD® nails it. Through its stable cross-linking chemistry, it ensures that your flooring stays where you want it. Capable of managing moisture from common slabs, Ironwood® is also resistant to high alkalinity.

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 (primed with Taylor 2025, Envirotec or Enhance®)
- Terrazzo (properly prepared with all waxes and surface finishes removed)
- Well-bonded residue from cutback adhesives

SUBSTRATE TESTING

RH - 95% [ASTM F2170]
pH - No testing required (5-14)
MVER - 15 lbs [ASTM F1869]

SUBSTRATE & SURFACE PREPARATION

- Follow flooring manufacturer's guidelines for allowable levels of moisture. Substrate must be prepared per ASTM F710 standards including, but not limited to the following:
- Concrete floors must be dry, clean, smooth and structurally sound. They shall be free of any foreign materials that might prevent adhesive bond, including dust, dirt, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, incompatible sealers, fire-retardant chemicals, fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew, 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 applying adhesive.
 - The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 60-85°F (15-30°C), and between 30-65% relative humidity, for at least 72 hours before, during and after the installation.
 - When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and 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°.
 - Wood underlayments must have a moisture content below 12% using a Tramex or Delmhorst moisture meter.

PRECAUTIONARY NOTES:

- 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 (see 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 (see ASTM E1745), must be fully cured (at least 45 days) and without hydrostatic pressure.
- Flooring must be acclimated per manufacturer's guidelines.

APPLICATION INSTRUCTIONS

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

1. Spread adhesive using required tools (see tool charts on pages 2 and 3).
 - Not all tools offer moisture protection.



2. Install flooring immediately after adhesive is spread.
 - Working time is approximately 45 min under acceptable temperature and humidity conditions.
 - Wood may slip and move at first so be sure to secure the initial row with approved blue tape to limit movement and hold patterns. Occasionally lift a piece of wood to ensure adhesive is achieving proper transfer. If proper transfer is not achieved, remove dried adhesive and apply more using recommended tool. The use of approved blue tape to temporarily hold the edges together may be necessary until installation is complete.
 - When installing near a solid object or wall, use wedges to ensure ample room is left for expansion (see flooring manufacturer's recommended expansion guidelines). Installing wood too tight against a stationary object will not allow room for normal wood expansion, which may cause a failure. Remove wedges after initial setting of adhesive (approximately 2 hours) to allow for normal expansion of wood. Failure to remove wedges can cause the wood flooring to buckle and pop off the substrate.
3. Roll and cross roll floor with a 75-100 lbs (34-45 kg) roller within 1 hour of installation and again within 2 hours to ensure proper transfer of adhesive.

PRECAUTIONARY NOTES:

- For installation instructions on wood over 5" wide or 6' long, call Taylor Technical at (800) 868-4583 ext. 2221.
- When installing unfinished wood flooring, wait a minimum of 72 hours before sanding.
- Thin-gauge solid and engineered wood and exotic species are very sensitive to job site conditions.
- Reseal lid when not in use to protect product.



REQUIRED TOOLS AND COVERAGE

*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.

For Moisture Barrier and Sound Control Application			
Flooring Type	Tool* (images not to scale)		Estimated Coverage
Planks greater than 6' long and 5" wide	1/2" x 15/32" (12.7mm x 11.9mm) V Notch		Up to 20 sf/gal
Planks less than 6' long and 5" wide	1/4" x 1/4" (6.35mm x 6.35mm) V Notch		25-30 sf/gal

REQUIRED TOOLS AND COVERAGE

*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.

For Bond Only			
Flooring Type	Tool* (images not to scale)		Estimated Coverage
Dry-back parquet, cork flooring, cork underlayment	1/8" x 1/8" x 1/8" (3.2mm x 3.2mm x 3.2mm) Sq Notch		60-70 sf/gal
Engineered and solid hardwood, bamboo, cork-backed hard surface, acrylic impregnated plank	3/16" x 1/4" x 5/16" (4.8mm x 6.4mm x 7.9mm) V Notch		Up to 50 sf/gal

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.

CLEANING INSTRUCTIONS

While product is still wet: use a damp cloth and water to remove.

While product is still soft: use Taylor Touchdown #9 adhesive remover/stripper, denatured alcohol or mineral spirits. Always check compatibility on a piece of scrap flooring.

See next page for Product Characteristics

PRODUCT CHARACTERISTICS

Product Classification	Modified urethane (isocyanate free)
Base Chemistry	STPE polymer-based (Hybrid Propel®)
Curing Method	Moisture cure
Appearance	Off white
Consistency	Smooth, medium viscosity liquid
Application	Easy troweling
Flammability	Non-flammable
Freeze/Thaw	Stable to 10°F (-12°C)
Shelf Life	1 year
Moisture Control	Protects flooring from substrate moisture up to 95% RH
RH	95%
pH	No testing required (5-14)
MVER	15 lbs
Open Time	0 min
Dry Time	N/A
Working Time	45 min
Cure Time	12 hrs
Pot Life	N/A
Light Traffic	6 hrs
Heavy Traffic	6 hrs
Heavy Rolling Loads	N/A
Solvents	None
Isocyanates	None
VOC (g/L) - SCAQMD Rule#1168	0.1
LEED Points	Contributes to low emitting materials
Certifications	Greenguard, FloorScore
*IIC (Delta)	66 dB
*STC (Delta)	61 dB

*IIC (delta) and STC (delta) ranges are flooring assembly specific based on third party testing and verification in a controlled environment. For any questions or further information, please contact Taylor Technical at (800) 868-4583, Ext: 2221.

MOISTURE

TIME

TRAFFIC

SUSTAINABILITY

ACOUSTICS

STORAGE

This product should be stored at temperatures between 50-90°F (15-32° C). While this product is freeze-thaw stable, it is necessary to protect it from freezing. Freeze/thaw stable to 10°F (-12°C).

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 at **(800) 868-4583, Ext: 2221**, visit us on the web at **www.tayloradhesives.com** or e-mail us at **tech@tayloradhesives.com**. Flooring manufacturer's and Taylor's written pre-installation and installation instructions must be strictly followed or the Taylor warranty will be void.