

**RLX-110**

"The Eco-Friendly-Bond"

**APPROVED  
FLOORING  
TYPES**

- LVT/LVP • Sheet goods (vinyl, homogeneous, heterogeneous, fiberglass, felt-backed) • Rubber tile and sheet • Linoleum • WPC/WSC •
- Cork-backed hard surface • Cork flooring • Cork underlayment • VCT/VET •
- Stair treads (rubber and vinyl) •
- Carpet tile (hard- and soft-backed) • Walk off carpet tile •



**NOW FEATURING NO MOISTURE TESTING**

DOES NOT REQUIRE AN INTACT MOISTURE VAPOR RETARDER

(ASTM E-1745)

Resilient flooring has finally met its match. RLX-110's safe, 1-part chemistry makes it a faster, more install-friendly alternative to 2-part epoxy systems. Engineered for heavy rolling loads and challenging environments, RLX-110's waterproof design forms an unlimited moisture vapor barrier and can also take the punishment introduced by topical liquids.

**APPROVED  
SUBSTRATES &  
SURFACES**

- APA underlayment grade plywood and OSB
- Association grade particleboard
- Cement backer board
- 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 Universal Primer or Enhance)
- Terrazzo (properly prepared with all waxes and surface finishes removed)

**SUBSTRATE  
TESTING**

RH - No testing required (100%) [ASTM F2170]  
pH - No testing required (5-14)  
MVER - No testing required [ASTM F1869]

**SUBSTRATE  
PREPARATION**

Follow flooring manufacturer's guidelines. 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 60-95°F (15-35°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°.

**PRECAUTIONARY NOTES:**

- Concrete must be placed in strict accordance with applicable standards and specifications, must be fully cured (at least 45 days) and without hydrostatic pressure.
- Flooring must be acclimated per manufacturer's guidelines.
- When used as a concrete moisture vapor barrier, substrate must be porous per ASTM F3191.

See next page for Application Instructions and Required Tools and Coverage



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**APPLICATION  
INSTRUCTIONS**

RLX-110 may only be used as a wet-set adhesive. Follow flooring manufacturer's guidelines for layout, design and any special precautions for installation.

1. Spread adhesive using required tools (see tool chart below).
  - Adhesive ridges will dissipate, and RLX-110 does not require back-rolling under normal circumstances.
2. Install flooring per the instructions below dependent upon desired application method. (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).
  - Tile products
    - Wait 10 minutes after adhesive is spread to build surface tack and reduce movement.
    - Working time is approximately 45 min under acceptable temperature and humidity conditions.
    - Use a hand roller and apply normal pressure to ensure a good bond.
    - Periodically lift flooring material to verify proper transfer of adhesive.
  - Sheet goods and stair treads
    - Install flooring or stair treads immediately after adhesive is spread.
    - Working time is approximately 45 min under acceptable temperature and humidity conditions.
    - Periodically lift flooring material to verify proper transfer of adhesive.
3. Roll and cross roll floor with a 75-100 lbs (34-45 kg) roller at the end of the installation to ensure proper transfer of adhesive.
  - Wait a minimum of 1 hour, but no more than 2 hours, after the installation to roll and cross roll floor.

**PRECAUTIONARY NOTES:**

- Use of knee-boards is required when working on top of freshly installed flooring (60+ min).
- Wait 6 hours before heat welding sheet goods.
- Do not wet mop the floor for 6 hours after the install is complete.
- Do not strip and finish the floor for 6 hours after the install is complete.

**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.

Flooring Type	Tool* (images not to scale)	Estimated Coverage
LVT/LVP, VCT/VET, Carpet tile (hard- and soft-backed)	1/16" x 1/32" x 1/32" (1.6mm x .8mm x .8mm) U Notch 	220-260 sf/gal
Sheet goods, Rubber tile and sheet, Linoleum, WPC/WSC, Cork-backed hard surface, Cork flooring, Cork underlayment, Stair treads (rubber and vinyl)	1/16" x 1/16" x 1/16" (1.6mm x 1.6mm x 1.6mm) Sq Notch 	150-180 sf/gal

It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the proper 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 adhesive remover/stripper, denatured alcohol or mineral spirits. Always check compatibility on a piece of scrap flooring.

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**PRODUCT CHARACTERISTICS**

Product Classification	Modified urethane (isocyanate free)
Base Chemistry	STPE polymer-based (Hybrid Propel®)
Curing Method	Moisture cure
Appearance	Off white
Consistency	Smooth, low viscosity liquid
Application	Easy troweling
Flammability	Non-flammable
Freeze/Thaw	Stable to 10°F (-12°C)
Shelf Life	1 year
Moisture Control	Protects flooring against unlimited moisture
RH [ASTM F2170]	No testing required (100%)
pH	No testing required (5-14)
MVER [ASTM F1869]	No testing required
Open Time	0 min (Sheet goods and stair treads); 10 min (Tile products)
Dry Time	N/A
Working Time	45 min
Cure Time	6 hrs
Pot Life	N/A
<b>Light Traffic</b>	3 hrs
<b>Heavy Traffic</b>	4 hrs
Heavy Rolling Loads	8 hrs
Solvents	None
Isocyanates	None
VOC (g/L) - SCAQMD Rule#1168	0.1
LEED Points	Contributes to low emitting materials
Certifications	Greenguard, FloorScore, CRI Green Label Plus
IIC*	68 dB
STC*	66 dB

**MOISTURE**

**TIME**

**TRAFFIC**

**SUSTAINABILITY**

**ACOUSTICS**

\*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 RUBBERlogix at (276) 733-4898.

**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 RUBBERlogix at (276) 733-4898, visit us on the web at [www.rubberlogix.com](http://www.rubberlogix.com) or email us at [customerservice@rubberlogix.com](mailto:customerservice@rubberlogix.com). RUBBERlogix's and RLX-110's written pre-installation and installation instructions must be strictly followed or the RLX-110 warranty will be void.