



Adhesive Type	One-part modified urethane
Approved Flooring Types	Vulcanized Composition Rubber, Vinyl and LVT over concrete (not over rubber)
Approved Substrates	Concrete, Portland-based patching and self-leveling materials, wood, and APA underlayment grade plywood. Suitable for extra heavy traffic, rolling loads and topical moisture.
Substrate Testing	RH – 99% per ASTM F2170 pH – 5 to 14
Substrate Preparation	<ol style="list-style-type: none"> 1. 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, according to ASTM F710. 2. Subfloors should be smooth to prevent irregularities, roughness, or other defects from telegraphing through the new flooring. The surface should be flat to the equivalent of 3/16" (4.8 mm) in 10' (3.0 m). 3. Mechanically remove all traces of old adhesives, paint, or other debris by scraping, sanding, or scarifying the substrate. Do not use solvents. 4. 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. 5. Expansion joints in the concrete are designed to allow for expansion and contraction of the concrete. If a floor covering is installed over an expansion joint, it will likely fail in that area. Use expansion joint covers designed for resilient flooring. 6. The substrate, adhesive and flooring must be acclimated in a weather tight building and maintained at a minimum uniform temperature of 65°F (18°C) for at least 72 hours before, during and after the installation.
Precautionary note:	<ol style="list-style-type: none"> 1. Concrete must be placed in strict accordance with applicable standards and specifications, must be fully cured for 45 days and without hydrostatic pressure. 2. Flooring must be acclimated per manufacturer's guidelines. 3. The selected Portland-based patching and self-leveling materials must be moisture resistant and rated to withstand the RH moisture levels on the project. 4. When used as a concrete moisture vapor barrier, substrate must be porous per ASTM F3191.
Application Instructions	E-Grip 99 may only be used as a wet-set adhesive. Follow applicable Ecore Technical Manual.

1. Spread adhesive using trowel per chart below.
 - a. Adhesive ridges will dissipate.
2. Install flooring per the instructions below dependent upon desired application method.
3. Do not walk, work, or kneel directly on top of flooring without proper use of knee-boards for at least 60 minutes after flooring is installed.
 - a. Tile products
 - i. Wait 10 minutes after adhesive is spread to build surface tack and reduce movement.
 - ii. Working time is approximately 30-40 min at 50% relative humidity and 70°F.
 - iii. Use a hand roller and apply normal pressure to ensure a good bond.
 - iv. Periodically list floor to verify proper transfer of adhesive.
 - b. Sheet goods
 - i. Install flooring immediately after adhesive is spread.
 - ii. Working time is approximately 45 min under acceptable temperature and humidity conditions
 - iii. Periodically list floor to verify proper transfer of adhesive.
4. Roll and cross roll floor with a 75-100 lb. (34-45 kg) roller at the end of the installation to ensure proper transfer of adhesive.
 - a. Wait a minimum of 1 hour, but no more than 2 hours after installation to roll and cross roll floor.
5. Precautionary Notes:
 - a. Use of knee boards is required when working on top of freshly installed floor (60+ min).
 - b. Wait 6 hours before welding sheet goods.
 - c. Do not wet mop floor for 12 hours after installation is complete.
 - d. Do not strip or finish the floor for 24 hours after the installation is complete.

Flooring	Tool (images not to scale)		Estimated Coverage
Vinyl and LVT over concrete (not over rubber)	1/16" x 1/32" a 1/32" U-notch (LVT/LVP only)		135 SF/Gal
Vulcanized Composition Rubber	1/16" sq. notch		105 SF/Gal

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 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 denatured alcohol or mineral spirits. Follow with a rag, wet with water, to remove the denatured alcohol/ mineral spirits.

Storage

E-Grip 99 should be stored at temps 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 10F (-12°C)

Caution

Refer to SDS info. USE PPE. DO NOT take internally. If swallowed **DO NOT** induce vomiting. **KEEP OUT OF REACH OF CHILDREN.**

Material	E-Grip 99 is a one-part modified urethane that has excellent adhesion to Vulcanized Composition Rubber, Vinyl, LVT over concrete (not over rubber), concrete, and APA underlayment grade plywood for indoor applications. Suitable for extra heavy traffic, rolling loads and topical moisture.
Adhesive Type	One-part modified urethane
Curing Method	Moisture cure
Color	Off white
Consistency	Smooth, low viscosity liquid
VOC (g/L) - SCAQMD Rule#1168	0.1 g/L
Freeze/Thaw	Protect from freezing. Stable to 10°F
Application Temperature	60° F - 95° F
Shelf Life	12 months
Relative Humidity (RH) - ASTM F2170	Maximum 99%
Open Time	LVT: 10-15 minutes. All other products: None
Working Time	45 minutes
Cure Time	Light walking traffic 24 hours Heavy foot traffic 48 hours Rolling Loads 72 hours
Trowels / Coverage Rate	1/16" x 1/32" x 1/32" U-notch / 135 sq ft / gal 1/16" x 1/16" x 1/16" square notch / 105 sq ft / gal
Substrate pH	5 to 14, concrete fully cured (min 45 days), without hydrostatic pressure, and porous per ASTM F3191.
Antimicrobial	Yes
CA 01350 certified	Yes

Ecore's written pre-installation & installation instructions must be followed or warranty will be void.