

## ES-Evolve 85 Adhesive Technical Data Sheet

4 U.S. gals. (15,1 L)

### DESCRIPTION

ES-Evolve 85 Adhesive is a pressure-sensitive adhesive that is designed for the installation of ECOsilence rubber sound control underlayment and luxury vinyl tile (LVT) or luxury vinyl plank (LVP) over ECOsilence.

### FEATURES AND BENEFITS

- Dries quickly
- Up to 120+ minutes of working time
- Excellent indentation and shrinkage resistance
- Low VOC content

### WHERE TO USE

- Approved for use for ECOsilence and for luxury vinyl tile and luxury vinyl plank on ECOsilence

### LIMITATIONS

- Do not install over substrates containing asbestos.
- For interior installations only
- Install flooring only in areas that are recommended by the flooring manufacturer.
- Do not install into wet adhesive over nonporous substrates.
- Do not use to install luxury vinyl tile or luxury vinyl plank with known dimensional stability issues.
- Do not use to install luxury vinyl tile or luxury vinyl plank in areas that are subject to high heat or direct sunlight.
- Do not apply directly over any adhesive residues, including cutback adhesive.
- Do not install when the relative humidity (RH) of the concrete slab exceeds 85% (ASTM F2170).
- Do not install in areas with known hydrostatic moisture problems.
- Use only when the substrate temperature is between 65°F and 90°F (18°C and 32°C)
- Do not install when the pH is greater than 8.

### SUITABLE SUBSTRATES

- Concrete (at least 28 days old)
- Exterior APA underlayment-grade plywood
- Cement-based self-leveling underlayments and patching compounds
- Properly prepared, primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419
- Radiant-heat systems that have been properly installed and that are maintained at a maximum of 85°F (29°C) surface temperature (or a maximum temperature determined by the surface layer manufacturer)

Consult Ecore Technical Services for installation recommendations regarding substrates, flooring products and conditions that are not listed here.

## SURFACE PREPARATION

- All substrates must be flat, structurally sound, dry, rigid and free of movement.
- The substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, curing compounds, loosely bonded toppings, loose particles and any other substance or condition that may affect the overall performance of the product.
- Substrates must be flat to 3/16" in a 10-foot span (4.5 mm in a 3.05-m span)

## MIXING

Choose all appropriate safety equipment before use. Refer to the Safety Data Sheets for details.

- Ready to use, no mixing is necessary

## PRODUCT APPLICATION

Read the flooring manufacturer's guidelines for acclimation requirements and complete installation instructions thoroughly before installation.

1. Select the appropriately notched trowel (see the "Approximate Coverage" chart) and spread the adhesive evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.
2. On porous and nonporous substrates, the ECOsilence can be installed wet/tacky for the strongest bond. If a pressure sensitive installation of the ECOsilence is desired, allow the adhesive to remain open until trowel valleys are clear.
3. When adhering to ECOsilence, the LVT/LVP can be installed with ES-Evolve 85, allowing adhesive to flash until valleys are clear & the ridges are white, wet, and adhesive can transfer to your finger.
4. Protect open adhesive from dust & debris, which inhibit proper bond and decrease tack.
5. Once installed, immediately roll the flooring using a 100-lb. (45.4-kg) roller.

Installation Type	Flash Time <sup>†</sup>	Working Time <sup>††</sup>
<b>Pressure Sensitive Installations</b> (Luxury Vinyl Tile/Plank Installations)	20 - 30 minutes	120+ minutes
<b>Semi Wet Adhesive Installations</b> (Permanent ECOsilence sound control underlayment)	0 minutes	120+ minutes

<sup>†</sup> Flash time is the recommended amount of time for a freshly applied adhesive to remain exposed to the air before the installation of a floor covering.

<sup>††</sup>Working time is the window of time for adhesive to accept flooring.

**NOTE:** Times depend on sites and may be shorter or longer

## CLEANUP

- Clean adhesive smudges from flooring surface and tools with water while the adhesive is fresh/wet.

Note: Refer to technical and safety data sheets for complete information regarding uses, application, limitations, and safety.

## PROTECTION

- Protect the finished installation from light traffic for at least 12 hours and for at least 72 hours before returning furniture or light rolling loads to the surface.

### Shelf Life and Product Characteristics

Shelf life: 1 year when stored in original, unopened packaging at 73°F (23°C).

Storage conditions: 50°F to 90°F (10°C to 32°C)

### GENERAL PRECAUTIONS

Protect containers from freezing in transit and storage. If frozen, material should not be stirred until it has completely thawed. Provide heated storage on site and deliver all materials at least 24 hours before work begins.

### Approximate Coverage\*

Flooring Type	Typical Trowel	Coverage
LVT, LVP and rubber sound control underlayments on nonporous substrates	1/32" x 1/16" x 1/32" U-notch trowel (0.8 x 1.6 x 0.8 mm)	225 sq. ft. per 1 U.S. gal.
LVT, LVP and rubber sound control underlayments on porous substrates	1/32" x 1/16" x 1/32" U-notch trowel (0.8 x 1.6 x 0.8 mm)	150 – 200 sq. ft. per 1 U.S. gal.
LVT and LVP on rubber sound control underlayments	1/32" x 1/16" x 1/32" U-notch trowel (0.8 x 1.6 x 0.8 mm)	125 – 150 sq. ft. per 1 U.S. gal.

\* Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.

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