

Leggett & Platt® Flooring Products

ACI-125™ Acoustical Crack Isolation Membrane

Recommended Installation Instructions – Multiple Methods

Surface Preparation:

Concrete must be installed in compliance with industry standards as well as dry (28 days minimum) prior to installing ACI-125. The surface must be smooth with no voids or other irregularities. Ensure there are no sealers, paint, oil/grease or any other contamination on the slab that would possibly hinder a successful bond. Use a modified Portland cement underlayment to provide a smooth finish if needed.

For wood subfloors.

It is the responsibility of the installer to verify the deflection of the floor structure and that subfloor does not exceed L/360 of the span under combined live or dead loads. Refer to wooden subfloor industry guidelines for more specific information. **For both wood and concrete subfloors, reference the TCNA Handbook for specific installation requirements and limitations.**

Installing ACI-125 over thin-set:

- Subfloor must be clean, dry, flat, and structurally sound. Always follow the thin-set manufacturer's guidelines.
- Apply thin-set using the thin-set manufacturer's recommended trowel to ensure evenness of the application. If none is recommended, a 1/8" x 1/8" square notched trowel may be used.
- Roll out the ACI-125. Seams should be butted tight to ensure no gapping. Packing-style tape can be used to hold seams tight as needed.
- Ensure proper adhesion of the underlayment to the substrate – no air pockets. Roll with the ACI-125 roll core at a 45-degree angle to ensure proper adhesion.
- Refer to the most current edition of the TCNA (Tile Council of North America) handbook for ceramic tile installation for instructions for applying a thin-set mortar bed.

Installing ACI-125 using multipurpose adhesive:

- Subfloor must be clean, dry, flat, and structurally sound. Always follow the adhesive manufacturer's guidelines.
- Apply adhesive using the multipurpose adhesive manufacturer's recommended trowel to ensure evenness of the application. If none is recommended, a 3/32" x 3/32" x 3/32" flat V-notched trowel may be used.
- Roll out the ACI-125, leaving a minimum of 1/8" expansion along the walls. Seams should be butted tight to ensure no gapping. Packing-style tape can be used to hold seams tight as needed.
- Ensure proper adhesion of the underlayment to the substrate – no air pockets. Roll with a maximum 50 lb. roller at a 45-degree angle to ensure proper adhesion. The ACI-125 roll core can also serve the same function.

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**Installing ACI-125 using Spray-Lock adhesive:**

- Subfloor must be clean, dry, flat, and structurally sound.
- Refer to www.spraylock.com for installation instructions using Spray-Lock 6500.
- Roll out the ACI-125, leaving a minimum of 1/8" expansion along the walls. Seams should be butted tight to ensure no gaping. Packing-style tape can be used to hold seams tight as needed.
- Ensure proper adhesion of the underlayment to the substrate – no air pockets. Roll with a maximum 50 lb. roller at a 45-degree angle to ensure proper adhesion. The ACI-125 roll core can also serve the same function.

Installing ACI-125 using pressure-sensitive adhesive:

- Subfloor must be clean, dry, flat, and structurally sound. Always follow the adhesive manufacturer's guidelines.
- Apply adhesive using the pressure-sensitive adhesive manufacturer's recommended trowel to ensure evenness of the application. If none is recommended, a 1/16" x 1/32" x 5/64" U-notched trowel may be used.
- After the adhesive sets up, roll out the ACI-125 and leave a minimum of 1/8" expansion along the walls. Seams should be butted tight to ensure no gaping. Packing-style tape can be used to hold seams tight as needed.
- Ensure proper adhesion of the underlayment to the substrate – no air pockets. Roll with a maximum 50 lb. roller at a 45-degree angle to ensure proper adhesion. The ACI-125 roll core can also serve the same function.

Important Note:

When installing under ceramic or porcelain over a wooden subfloor, it is imperative to confirm adequate support per TCNA requirements to prevent stress on tiled flooring due to subfloor flex.

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