

OVERVIEW & FEATURES

KEE-Lock Foam is a two-component, highly elastomeric, low-rise polyurethane foam adhesive designed to provide outstanding adhesion between the KEE-Stone®FB60 fleece backed membrane and approved modified bitumen base sheets. This innovative adhesive is solvent-free, solidifies in minutes, and is packaged in a convenient bag-in-box or cartridges that make application quick and hassle-free. KEE-Lock Foam adhesive provides the benefits of a two-component adhesive without the risk of improper mixing through the use of a static mixing tip.

This fast-drying adhesive can be used for both horizontal and vertical applications. It can also be used to bond approved roof insulations to a building's structural roof deck, base sheet, other insulation boards.

Fast & Easy Installation - KEE-Lock Foam adhesive is ready to use, does not require manual mixing, and can easily be applied with a low-pressure pump or cartridge application equipment. This hassle-free application reduces the margin of error and the convenient packaging increases coverage rate for a faster, more efficient installation that saves time and money.

Quick Cure Time - KEE-Lock Foam sets up in as little as two minutes and does not require the lengthy tack-time required by other foam adhesives. The ability to install the roof membrane at a faster pace significantly reduces application time and labor costs.

Low Odor & VOC-Free - The low-odor nature of this product makes it a perfect solution for sensitive environments, such as schools and hospitals, and a must for all environmentally conscious facilities. KEE-Lock Foam adhesive is also VOC-free.

Versatile - KEE-Lock Foam adheres tenaciously to a variety of substrates and insulation boards in addition to Garland's KEE-Stone FB 60 membrane. It can be used for horizontal and vertical applications. KEE-Lock Foam also provides a trouble-free application in a wide range of temperatures.

APPLICATION

All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, loose gravel, and other contaminants that may result in a surface that is not sound or is uneven. Position KEE-Stone FB 60 Flashing membrane for installation in desired location.

For box set applications, use the tear strip to open the KEE-Lock Foam box and remove the plastic bladders. Place the bladders on the pump cart and ensure that each bladder is in the appropriate tray. When using

the low-pressure pump cart, connect each fitting to the appropriate feed hose and operate the pump according to manufacturer's instructions. Empty the pre-dispense material into a disposable container. Ensure that the adhesive maintains a 1:1 ratio. If material is not consumed at a 1:1 ratio, stop application and check for blockage in the pump hose or the dispensing manifold. Unused material can be applied at a later date if stored properly.

Apply KEE-Lock Foam adhesive directly to the fleece side of the KEE-Stone membrane, using a ribbon pattern. Pump ½" - ¾"-wide beads (1.27- 1.90 cm), 12". o.c. (30.5 cm), to achieve proper coverage rates for fleece-back membrane and insulation attachment. Vertical application requires ½" - ¾" inch-wide beads (1.27- 1.90 cm) be spaced 6". o.c. If the height of the continuous membrane exceeds 36", horizontal reinforcement must be added using screws and plates or a termination bar.

Once applied to the KEE-Stone membrane, allow the foam to rise but do not allow the adhesive to skin over. Then, immediately press the flashing membrane onto the substrate with a single ply roller or dry paint roller from the center outwards to ensure consistent positive contact between the adhesive and the base ply. Roll the field of the roof membrane in all directions with a minimum 100-150 lb. (45- 68 kg) weighted roller.

NOTE: For best application, material should be approximately 70°F (22°C). Material utilized at colder temperatures will be prone to crystallization.

STORAGE

KEE-Lock Foam has a shelf life of 12 months. Store boxes with valve side up. Store indoors, out of direct sunlight and maintain temperature between 55-95°F (12-35°C). Do not store in direct sunlight or above 95°F (35°C). Do not allow adhesive to freeze. Bring temperature of material to approximately 70°F (21°C) before use.

PRECAUTIONS

- Do not apply to a wet surface
- Do not use on unadhered base plies; attachment must be made to a fully-adhered substrate
- Do not use below 40°F (4.4°C)
- Not recommended for use with insulation boards larger than 4 x 4 ft. (1.22 x 1.22 m)
- Do not use warped or curled insulation boards
- Do not apply KEE-Lock Foam over a smooth or sanded APP or single-ply roof surface

Technical Data	KEE-Lock Foam
Tensile Strength (ASTM D 412)	250 psi
Density (ASTM D 1875)	8.5 lbs./gal.
Viscosity (ASTM D 2556)	22,000 - 60,000 cP
Peel Strength (ASTM D 903)	17 lb./in. (7.71kg/m.)
Flexibility (ASTM D 816)	Pass @ -70°F (-56°C)
Shelf Life	12 months
Color	White to light amber
*Coverage Part 1 and Part 2 mixed through an approved pressure pump cart or approved battery-operated cartridge gun will produce the following horizontal coverage rates:	
5 gallon (18.9L) Kit	2,000 - 2,500 sq. ft. (186 - 232 m²)
Cartridge (4 per case)	150 sq. ft. per cartridge (600 sq. ft per case-55.7 m²)
30 gallon (113.6L) Kit	12,000 - 15,000 sq. ft. (1,115 - 1,394 m²)

*Coverage estimates indicate total square feet of membrane attachment per kit. Rates are based on an application pattern of 1/2 - 3/4 in. (1.3 - 1.9 cm) wide beads applied in ribbons spaced 12 in. (30 cm) o.c.

Packaging	KEE-Lock Foam
5 Gal (18.9L) Box, Part 1 & 2	18 Sets/Pallet
15 Gal (58L) Drum, Part 1 & 2	8 Sets/Pallet (special order)
Cartridges 4 per box	4 per Case

Eco Facts	KEE-Lock Foam
VOC	0 g/l

For specific application recommendations, please contact your local Garland Representative or Garland Technical Service Department.



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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or the home office for more information.

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