



TECHNICAL DATA SHEET [TDS]

KC357 Premium Commercial Carpet Adhesive

KC357 Premium Commercial Carpet Adhesive is a Go2 Adhesive formulated for the installation of direct glue carpets and other types of floor covering. Kinsley's Go2 Adhesive formulas have been formulated to ensure adhesive performance under the very demanding conditions commonly found in today's fast paced construction. KC357 Premium is designed for direct glue downs of stiff and "boardy" carpets that have a tendency to curl or spring up after installation. KC357 adhesive remains tacky for an extended period, and has excellent rebonding capabilities. KC357 is a safe, light colored, low odor, 0 VOC adhesive designed with the installer's needs in mind. KC357 is moisture resistant and non-flammable, and is a versatile, strong, trouble-free floor covering adhesive. This zero VOC adhesive is protected by the CleanGuard® two-stage antimicrobial. CleanGuard is a specifically formulated broad-spectrum, anti-microbial agent that protects our adhesives and sealers from microorganisms, such as mold or mildew, in both the wet and dry state.

Uses:

KC357 is recommended for the following installations:

- Carpets: Woven Polypropylene (ActionBac®, hot melt, etc.) Latex Unitary, Urethane foam-backed (Enhancer® I,II,III,IV and Durafoam), Rubber Backs, Woven and needlepunch, Double Glue-Downs with approved carpet & cushion, Jute
- Resilient Flooring (Although this adhesive is formulated for carpet installations, because of its non-staining characteristics, it can be used to install the following.): felt backed sheet vinyl

NOTE: This adhesive is not recommended for pure vinyl backed sheet goods or carpets.



KC357 Premium may contribute to the LEED certification of projects in the following categories:

- IEQ Credit 4.1—Low Emitting Materials – Adhesives & Sealants
- IEQ Credit 4.3—Low Emitting Materials – Flooring Systems
- IEQ Credit 5—Regional Materials

Sub-floor and Site Conditions:

Recommended Sub-floors ■ Concrete above, on or below grade ■ APA rated plywood underlayment ■ Properly prepared gypsum cement

Sub-floors on and below grade must be protected from ground moisture with a functioning and intact Class A vapor retarder that conforms to the requirements of the most current version of ASTM E-1745. This vapor retarder must be directly beneath, and in contact with, the slab. Concrete sub-floors must be properly prepared according to the practices detailed in the latest standard, ASTM F-710. Gypsum sub-floors must meet the requirements of the most current version of ASTM F-2419. All curing agents [topical and admix], adhesives, paints, varnishes, oils, waxes, dust, dirt and any other bond inhibiting substances must be removed. The removal of bond inhibiting substances must be by mechanical means: sanding, shot or bead blasting. KC357 cannot be used if adhesive removers, solvent or chemical cleaners have been used.

The maximum moisture emission rate of the sub-floor cannot exceed 8lbs/1000 sq.ft./24 hours [ASTM F-1869], with a pH of 7.0- 9.0 [ASTM F-710], and a maximum *in situ* RH of 85% [ASTM F-2170]. Prior to the application of KC357, sub-floors must be tested in strict accordance to the most recent versions of ASTM F-1869 and F-2170. Both testing protocols must be performed in order to provide the most accurate view of the sub-floor's condition. Sub-floors of lightweight concrete must be tested in strict accordance to the most recent version of ASTM F-2170. The placement of calcium chloride kits and humidity probes must follow the ASTM standards for proper locations and the correct quantity of test sites. These and other tests may be performed by Kinsley in the event of a warranty claim.

All sub-floors must be flat and structurally sound. Smooth or glazed surfaces must be abraded. Repair all joints and cracks with latex-based portland cement underlayments. Never sand existing resilient flooring that could contain asbestos. Follow all Federal, State and Local regulations relating to the removal of in-place, asbestos containing material. Very porous sub-floors must be primed with Kinsley's recommended 570 Primer.

NOTE: Strip or plank wood flooring, particleboard and OSB sub-floors should be covered with an approved underlayment (minimum thickness of ¼"). KC357 cannot be used if adhesive removers, solvent or chemical cleaners have been used. Before beginning installations with backing systems or over sub-floors not listed, contact Kinsley's Technical Services for recommendations. Kinsley's Technical Services can be reached at 1(800)225-2948 or by email at sales@kinsleycarpets.com. It is the sole responsibility of the applicator of this product to determine the suitability and compatibility of this product for their intended use. *If the provided preparation and application instructions are not followed, DO NOT USE KC357 Premium.*

Installation Recommendations:

Typical towels and approximate coverage: (depth x width x spacing)

Woven polypropylene, woven: 1/8" x 1/8" x 1/8" U notch, 100 sq. ft. /gal.

Attached cushions: 3/32" x 3/32" x 3/32" V notch, 125 sq. ft. /gal.

Unitary and Double-Glue (carpet to cushion): 1/8" x 1/8" x 1/16" U notch, 50 sq. ft./gal.

Felt backed Sheet Vinyl: 1/16" x 1/16" x 1/16" □ notch, 150 sq. ft./gal.

The building should be completely enclosed. All outside doors and windows should be properly installed with latching mechanisms in place. Adequate ventilation should be available. The HVAC system for the building should be operational and provide a consistent temperature of 65-85°F (air and sub-floor) and humidity levels should be between 40-65% for a minimum of 72 hours prior to the installation. These conditions must be maintained to ensure the long- term success and performance of the installation.

1. Flooring and adhesive should be acclimated to the job site conditions for a minimum of 24 hours prior to the installation.
2. Be familiar with the recommendations and any special instructions from the flooring manufacturer before beginning the installation. Follow the flooring manufacturer's specific recommendations regarding sub-floors and seam sealing.
3. Refer to the information above for specific information regarding sub-floor preparation and site conditions.
4. Spread the adhesive with the appropriate trowel as defined above. Allow the appropriate dwell or open time. Lay the carpet into the adhesive as to minimize bubbles and wrinkles.
5. Roll the flooring with a three-section roller [Carpet - 75lb. for direct glue and 35lb. double-glue; Sheet vinyl – 100lb.] to ensure adequate transfer. Wet adhesive transfer to the flooring must be 100%.
6. Roll the flooring "north to south" and "east to west" from center to edge forcing out air pockets and eliminating wrinkles.

Specific Technical Data:

- Base: SBR-resin emulsion
- Color: yellow-tan
- Flammability: Non-flammable
- Shelf Life: One year from date of manufacture in an unopened container
- Freeze-Thaw Stable: If frozen, allow the adhesive to thaw at room temperature. Do NOT stir or agitate while frozen. Stability and spread-ability can be reduced if frozen. For best results do not allow the adhesive to freeze.
- Clean-up: Remove wet adhesive with damp cloth (plain water). Use Kinsley's recommended 197 Adhesive Remover for dried adhesive.
- VOCs: 0 g/l (Calculated per Ca. Rule 1168); Solvent free
- Not recommended for exterior installations.

NOTE: We recommend installers follow the guidelines set forth in the latest version of the CRI's *Carpet Installation Standard - 104*. Before placing the carpet, the adhesive must be allowed an open or dwell time appropriate for the carpet backing, jobsite and sub-floor conditions. It is extremely important to maintain recommended notch depth, width and spacing. The proper notch depth is that which will produce adhesive ridges that affect a 100% transfer to both the substrate and the carpet backing to include the inner recesses of the texture of the back.

