

DUE TO THE UNIQUE VISUAL CHARACTERISTICS OF MODULAR CARPETS, PATTERN REPEATS AND PATTERN RUN-OFF SEAMS MAY APPEAR MORE NOTICABLE THAN IN BROADLOOM CARPETS. SUCH VISUAL CHARACTERISTICS DO NOT CONSTITUTE A MANUFACTURING DEFECT, AND AS SUCH, SHOULD BE CONSIDERED WHEN SELECTING MODULAR CARPET AND ITS INSTALLATION. IT IS STRONGLY RECOMMENDED THAT YOU CHECK THE INSTALLATION METHOD FOR APPROVAL BEFORE PROCEEDING

MAKE SURE YOU INSPECT CARPET MODULES PRIOR TO INSTALLATION. NO CLAIMS WILL BE HONORED IF MODULES ARE INSTALLED WITH VISIBLE DEFECTS. READ ALL INSTRUCTIONS PRIOR TO BEGINNING INSTALLATION.

J+J Flooring Group's eKoTac® + is an aggressive; pressure sensitive adhesive designed for the installation of J+J Flooring Group's eKo® (non-PVC) modular carpet tiles. eKoTac + is nonflammable and both alkali and water-resistant. It has low odor and VOC's, which makes it ideal for use in schools, health care facilities, public buildings and anywhere odor is a concern. eKoTac + is CRI Green Label Plus™ approved. **eKoTac + is required for the installation of eKo Modular Carpet.**

SITE AND MODULAR MATERIAL CONDITIONING -The building must be enclosed and the HVAC in continuous operation. Modules must be conditioned to room temperature for 48 hours prior to installation. The ambient air relative humidity must be between 10% - 65% with the floor and room temperature between 65 – 85 degrees Fahrenheit. These conditions must be maintained for a minimum of 48 hours prior to installation and at least 48 hours after completion of the installation.

SURFACE PREPARATION - Dust, dirt, debris and non-compatible adhesive must be removed before the installation begins. Surfaces must be smooth and level with all holes and cracks filled with Portland cement-based patch reinforced with polymers. eKoTac + modular adhesive cannot be applied to any substrate where chemical or solvent-based cleaners have been used. For complete information refer to ACI Concrete 302.104R report.

LATEX ADHESIVES - Old latex adhesives must be mechanically scraped down to a minimum residue. Once scraped there should be no trowel ridges or layer of latex adhesive. The subfloor must be smooth and level with all holes and cracks filled with a Portland cement-based patch reinforced with polymers. *Note:* Failure to remove old latex adhesive may cause installation failure, shifting, buckling or edge curling; these conditions will not be covered under warranty.

CUTBACK ADHESIVES - Must be wet mechanically scraped to a minimum residue. Once scraped, apply APAC Encapseal as directed. *Note:* Failure to remove or seal old cutback adhesive using APAC Encapseal may cause installation failure, shifting, buckling or edge curling; these conditions will not be covered under warranty.

CONCRETE MOISTURE TESTING and pH TESTING - Substrate surfaces must be tested for moisture. It is the responsibility of the owner or owner's representative to perform moisture testing prior to starting the installation. ASTM F 2170-2 relative humidity probe moisture testing. Acceptable relative humidity probe testing results are up to 85% RH. pH tests should also be performed per ASTM F 710. The maximum acceptable pH is 11.0. When RH results exceeding 85% are recorded, Moisture Vapor Emission Rate (MVER) concrete subfloor testing, ASTM-1869-04 using Calcium Chloride testing should also be performed. Acceptable results from Calcium Chloride testing are 8 lbs or less. For moisture conditions up to 90% RH, use Mapei Planiseal Easy. For moisture levels higher than these, call J+J Customer Relations for direction.

SUBFLOORS

New Concrete – New concrete must be fully cured and free of moisture (see ASTM F 710). New concrete requires a curing period of approximately 90 days. For complete information, refer to CRI-104 Installation Standard.

Old Concrete – Old concrete must be checked for moisture. Dry, dusty, porous floors must be primed. *Note:* primers will not correct a moisture problem. For complete information, refer to CRI-104 Installation Standard.

Wood – Wood floors must be smooth, level and APA floor grade. If the floor is uneven, an approved underlayment will be required. Old finishes must be tested for compatibility with adhesives or removed and porous wood primed.

Terrazzo / Marble – Level all grout lines with Portland cement-based patch reinforced with polymers. Glossy surfaces must be sanded for adhesive bond. Waxes and similar finishes must be removed.

Hard Surfaces – Tiles must be well secured to the floor or removed. Broken, damaged, or loose tiles must be replaced. Waxes and similar finishes must be removed from VCT before applying adhesive. Existing sheet vinyl is not a suitable substrate for modular installation and must be removed.

Raised Access Panel Floors – The panels must be flat, warped panels can result in the carpet modules being off grid. The panel joints must be tight and level. Screws are to be countersunk.

OLD CARPET ADHESIVES - Remove old carpet adhesives by scraping or other mechanical means. Remove existing adhesives to minimal residue.

FULL SPREAD ADHESIVE SYSTEM – J+J Flooring Group requires full spread use of eKoTac + modular adhesive for eKo backed products. The spread rate for eKoTac + modular adhesive is approximately 120 sq. yds. per four gallon bucket and can be spread using a 1/16" x 1/32" x 1/32" U notched trowel. Allow to dry until transparent or adhesive does not transfer to finger when touched. Drying time will vary with temperature, humidity and air velocity, however carpet modules must be installed within two hours after adhesive has dried. *Note: Installing eKo backed carpet modules into wet adhesive will result in transfer of adhesive to the backside of the module, a more aggressive adhesive bond, possible damage to the carpet module and subfloor when removed. Inadequate amounts of adhesive can cause modules to shift and move and will not be covered by warranty. **J+J Flooring Group will not be responsible for the adhesive bond where other adhesives have been used.***

TILE PLACEMENT - Arrows are embossed or printed on the module backing to show pile direction. To ensure proper alignment, check spacing every ten modules. Measure ten modules; proper spacing should be within ¼ inch. Continue to check spacing every ten modules throughout the entire installation.

PALLET AND BUNDLE SEQUENCING - It is very important to install J+J Flooring Group modular tiles in the order they were manufactured; this is easily accomplished by selecting pallets in sequential order and following the numbers located on each bundle of tiles. Typically, an installation will begin with the lowest bundle numbers and progress through the highest numbers until the project is complete. Installing modular tiles by bundle sequence will assure the most even uniform look possible. (For layout and installation instructions refer to J+J Flooring Group's Carpet Installation Instructions or CRI-104 Installation Standard.)

FLATWIRE CABLE / TRENCH HEADERS - Cable should be centered under modules and no adhesive used unless approved by the manufacturer. Trench headers require a control grid of adhesive on either side of header panels to prevent movement. It is highly recommended that these areas be installed ashlar.

STAIRS - Use single or double undercut stair nosing and cut tiles to fit nosing, both step and riser. Use full spread adhesive under modules.

FINISHED INSTALLATION - Roll entire job with 75-100 lb. roller after completion of installation.

CHAIR PADS - Chair pads are highly recommended for use under chairs with roller casters. If chair pads are not used, the appearance of the modules will decrease and maintenance and/or shifting of the modules may be required more frequently.

LOOP PILE CONSTRUCTION - Carpet modules with loop pile constructions may experience yarn blossoming at the edges, which is consistent with this type of construction and is not considered a manufacturing defect. Clipping or shearing the yarn edges will remedy this condition.

REPLACEMENT TILES - On occasion, it may be necessary to replace damaged or heavily soiled modules. Modules can be replaced with new J+J Flooring Groups modules from on-site inventory or from another area of the installation. A difference of appearance may be noticed when modules are replaced; this difference usually diminishes in a short time.

The procedures listed above are our best recommendations for installing eKo Modular Carpets. The J+J Flooring Group *Carpet Installation Instructions* and *Carpet Maintenance Instructions* are available at www.jj-invision.com. If you have further questions or require additional information please contact our Customer Relations Department at 800.241.4586.