

Mohawk Group Modular Systems and Durkan Patterned Carpet Tile Installation Guidelines

Exclusive to Durkan Commercial, Mohawk Commercial Carpet,
Bigelow Commercial, and Durkan Patterned Carpet.

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KARASTAN
CONTRACT

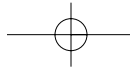
Durkan
COMMERCIAL

MOHAWK
COMMERCIAL

BIGELOW
COMMERCIAL

DURKAN
PATTERNED CARPET





Site Conditions

Mohawk Modular Systems and Durkan Patterned Carpet Tile are intended for installation on dry, properly prepared floors. These products are not intended for installation on walls, outside use, or wet surfaces.

The Mohawk Group or Durkan Patterned Carpet is not responsible for any product failure if proper floor preparation and or installation procedures are not followed. The required adhesive is NuSpraylok™. For those applications where trowel able adhesives are desired, use NuBroadlok™ pressure sensitive. It is the responsibility of the installation contractor to make certain the floor is properly prepared and suitable for the installation of The Mohawk Modular Systems or Durkan Patterned Carpet Tile.

Moisture Testing

Excessive moisture and high pH (alkalinity) in the floor can cause a product failure. When using pressure sensitive releasable tile adhesive the moisture emission from the floor should not exceed 3.0 pounds per 1,000 square feet in 24 hours. The acceptable pH range is 7.0 to 9.0 lbs. When using NuSprayLok™ the moisture should not exceed 7 lbs per 1,000 square feet in 24 hours. The acceptable pH range is 11.0 lbs. If moisture is high a primer should not be applied.

Site and Material Condition

The floor should have a minimum temperature of 65°F for at least 72 hours prior to installation and 48 hours after installation. Temperatures should not exceed 90°F. Relative humidity above 65% will adversely affect the adhesive and primers.

Installation of Mohawk Modular Systems or Durkan Patterned Carpet Tile on a floor outside the scope of the guidelines in this document will void all applicable warranties.

Floor Preparation

The floor must be sound and dry prior to the installation of the Modular System. Any curing chemicals, sealers, or other chemicals must be compatible with the Modular backing system, the NuBroadlok®, Durastick® Pressure Sensitive or NuSprayLok® adhesive. All excess paint spots, dry-wall mud, or other solid debris must be removed from the floor. Completely remove all wax, dirt, grease, paint, or old adhesives including cut back adhesive. DO NOT use solvents to clean the floor. DO NOT use oil based sweeping compound. Do not install over Resin Base Curing compound.

The floor should be flat to within 1/8" in 10 ft. Cracks, holes and depressions should be filled using a Portland cement based patch material. Use leveling compound when required.

Sweep and vacuum the floor. Smooth, nonporous floors should be damp mopped prior to installation. All dust must be removed to insure proper adhesion.

Floor Priming

All porous, gritty, chalky and dusty surfaces must be primed with a latex milk additive. All patched areas must be totally primed.

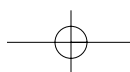
Concrete: Prime only if floor has excessive dust. Note: Any existing sealer or primer should be tested for compatibility to the NuBroadlok®, Durastick Pressure Sensitive or NuSprayLok® Adhesives. Note: If old adhesives have been removed, the floor must be primed. Terrazzo, Marble, Vinyl Tile (VAT or VCT), Linoleum and other smooth nonporous surfaces do not require priming. Damp mop only. If patching is required on these areas, prime the patched areas.

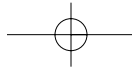
Plywood Floors must be completely primed. Note: Plywood substrates should be no less than 3/4" thickness. Particleboard or thin plywood are not acceptable substrates.

Raised floor panels and trench headers that are porous or concrete based must be primed. Nonporous and smooth panels do not need to be primed.

Underlayments must be primed. All floors that have had old adhesives removed must be primed.

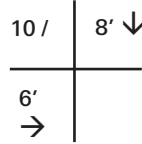
Make sure you inspect Mohawk Modular Systems and Durkan Patterned Carpet Tile for dye lot, style, quality and shipping damage prior to installation. Do not install any product that has visible problems.





Floor Layout

Divide the room into four equal quadrants. Snap two white chalk lines perpendicular from each other in the center of the room. Use the 6-8-10-triangle method to make sure the first line is perpendicular to the second line.



Check the distance from each centerline to its parallel wall and determine how many tiles will be required. It may be necessary to shift the centerline over by 9" to make sure that the border tiles are at least 1/2" tile wide.

Adhesive Application

NuBroadlok®, Durastick Pressure Sensitive or NuSprayLok® adhesive must be used in a full spread application to install Mohawk Modular Systems or Durkan Patterned Carpet Tile. Apply with a 1/16" X 1/16" X 1/16" square notched trowel. **Do not apply with a paint roller on Ecoflex modular tile.** PVC/Smooth back tiles apply with a 1/16" X 1/16" X 1/16" square notched trowel or a 1" nap roller. Both require a full spread.

- When installing PVC vinyl backed carpet tile use NuSpraylok® (DK115), is required whenever the Moisture Vapor Emission is up to 7 lbs. per 1,000 sq. ft. per 24 hours tested with a pre packaged Calcium Chloride crystal kit performed in accordance with ASTM F 1869-98, and a pH of 11 when tested according to industry standards.
- When installing PVC vinyl backed carpet tile use NuSpraylok® Platinum (DK131), is required whenever the Moisture Vapor Emission is up to 10 lbs. per 1,000 sq. ft. per 24 hours tested with a pre packaged Calcium Chloride crystal kit performed in accordance with ASTM F 1869-98, and a pH of 12 when tested according to industry standards.
- When installing Ecoflex Urethane Tile use NuSpraylok® (DK127), is required whenever the Moisture Vapor Emission is up to 7 lbs. per 1,000 sq. ft. per 24 hours tested with a pre packaged Calcium Chloride crystal kit performed in accordance with ASTM F 1869-98, and a pH of 11 when tested according to industry standards.
- When installing Ecoflex Urethane Tile use NuSpraylok® Platinum (DK130), is required whenever the Moisture Vapor Emission is up to 10 lbs. per 1,000 sq. ft. per 24 hours tested with a pre packaged Calcium Chloride crystal kit performed in accordance with ASTM F 1869-98, and a pH of 12 when tested according to industry standards

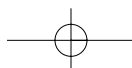
When using NuSprayLok® adhesive allow adhesive to dry before laying. Follow instructions included in Starter kit.

Tile Installation

Directional arrows are printed on the back of all tiles. Determine the arrow direction for the installation and make sure all tiles are installed in the correct manner.

Mohawk Modular Systems or Durkan Patterned Carpet Tile can be installed in a Quarter-Turn pattern, Monolithic or Eclectic pattern. Refer to specifications as to what method is specified. Seams can be apparent where modular tiles meet.

Monolithic				Quarter-Turn				Eclectic			
→	→	→	→	↑	→	↑	→	A→	B→	A→	B→
→	→	→	→	→	↑	→	↑	B→	A→	B→	A→
→	→	→	→	↑	→	↑	→	A→	B→	A→	B→
→	→	→	→	→	↑	→	↑	B→	A→	B→	A→



Pallet and Box Sequencing

It is very important to install Mohawk Modular Systems or Durkan Patterned Carpet Tile in the order they were manufactured. This is easily accomplished by selecting pallets in sequential order and following the numbers located on each carton of tiles. Typically an installation will begin with the lowest carton numbers and progress through the highest numbers until the project is complete. Installing the Mohawk Modular Systems or Durkan Patterned Carpet Tile by carton sequence will assure the most even uniform look possible.

Start from the intersection point in the center of the floor. Install the tiles in one quadrant using the chalk lines as guidelines. Fill in the area in between the two chalk lines using the stair step method.

Continue to install tiles in a stair step or pyramid pattern, starting at the center point. Check to make sure the tiles are properly aligned at edges during the installation.

Fit the tiles together by sliding them together, being careful not to trap face yarns between or under the edges of the tile. Press or roll the tiles into the adhesive. They may be removed at any time and repositioned.

All carpet tiles should be rolled with a 75 lb. or 100 lb. roller.

Cutting Border Tiles

Cuts are made from the back. Install border tiles by placing the tile face down exactly on top of the last row of field tiles, keeping the arrows pointed in the same directions. This will be your cut tile. Using another tile, butt it against the wall allowing it to lie on top of the tile that is to be cut. Using this tile as a reference tile, score a line on the back of the tile that is to be cut. Cut the tile along the reference line being careful not to cut through the installed tile below. Install the cut tile with the cut edge along the wall. Use this same technique at doorways and other objects that must be cut around. A transition strip must be used to protect any exposed edges.

Stairs: Modular Tiles Not Recommended For Stairs

Finished Installation

Do not allow traffic on tiles unless they are anchored at control grids and perimeters. When heavy furniture and wheeled traffic is moved in over tiles, use plywood runners to avoid tile shifting.

Chairs Pads

Chair pads are recommended for use under chairs with roller casters. Casters should be the flat round type with 5/8" to 1" width minimum. If chairs pads are not used, the appearance of the modular will decrease. Maintenance and or shifting of the modular may be required more frequently if pads are not used.

Replacement Tiles

Occasionally, it may be necessary to replace damaged or heavily soiled tiles. Modules can be replaced with a new Mohawk modular from on site inventory or from another area of the installation. A difference of appearance may be noticed when tile is replaced, however, this difference usually diminishes in a short time.

Equipment and Supplies

- Straight Edge
- Scissors
- Chalk Line
- Tape Measure
- Push Broom
- pH Test paper
- Portland Based Floor Patch
- Paint Roller / for Sealer only
- Floor Scraper
- Carpet Tractor
- Slotted Blade Knife
- 1/16" x16" x1/16" Square Notched Trowel
- Vacuum Cleaner
- Calcium Chloride Moisture Test
- Latex Additive/Floor Sealer
- Starter Kit for NuSprayLok
- 1" Nap Roller for PVC Vinyl Back
- 75 lb or 100 lb roller