

PACIFICREST MILLS

Installation Guidelines: Direct Glue-Down of Carpet with E-LOK Laminate, E-LOK 18, and E-LOK Premiere MB Polyurethane Backing Systems (Includes Pattern Carpet)

The following instructions are to be used as a summary guide for proper direct glue-down installation of carpet with E-LOK Laminate, E-LOK 18 Cushion, and E-LOK Premiere MB Cushion polyurethane backing systems (including pattern carpet). For complete, detailed procedures, refer to CRI-104 "Standard for Installation of Textile Floorcovering Materials," published by The Carpet and Rug Institute.

A. GENERAL

This carpet is designed to meet the **high tuft bind** requirements specified for office buildings, hospitals, schools and other public space areas where wheel traffic and heavy wear is expected. Two primary points in comparing polyurethane-backed carpet are:

- 1) Polyurethane-backed carpet is nonporous, which means the backing will resist evaporation of chemicals and moisture, both of which are in adhesives. You must allow the adhesive to tack-up before the carpet is laid into the adhesive. Adhesive should air-dry until adhesive legs are obtained in the finger-touch.
- 2) Carpet **must be conditioned** for 48 hours before installation begins. Room temperature must be 65°F minimum 72 hours prior to installation. Carpet should then be dry-laid **24 hours** prior to installation. Site area conditions should be maintained **72 hours** after job completion.

B. FLOOR PREPARATION:

All floors must be clean, dry, and free of dust, grease, and wax, curing agents, excess alkaline, paint, old adhesive and any foreign substance that would prohibit proper bonding of the carpet to the floor.

1) Concrete Floors:

All concrete floors must be fully cured. Test for moisture and pH level before installation. Use guidelines as defined in CRI-104, "Standard for Installation of Textile Floorcovering Materials" for correct test procedures.

2) Nonporous Floors:

Tile and resilient flooring	Masonite
Concrete with slick glaze finish	Terrazzo
Metal	Steel

These floors do not permit migration of the chemicals or moisture into them. The polyurethane back does not permit evaporation through it. The adhesive can remain wet for a longer period of time, which can result in bubbles on the face of the carpet where gas and moisture are retained, trying to escape. In order to avoid this situation, strict attention must be given to the adhesive open time.

3) Plywood

Prime-sand wood floors to prevent the adhesive from being absorbed into the wood. Fill all cracks with latex floor patch. Sand all ridges so the floor is level. Be sure the floor is properly secured and tight. It is recommended that all tiles, linoleum and substrates that are adhered to the floor, including paint, be removed and the floor cleaned to remove the old adhesive.

C. CARPET PREPARATION

The selvage of the carpet must be completely removed to insure that

the edges of the carpet are properly prepared for seaming. A general rule is that one to three inches of carpet be removed from each side on a 12' wide roll of carpet. It is recommended that the center of the carpet width be located, and then from that point, be measured out from 5'9" to 5'11" in each direction to locate the beginning of the selvage edge. This is just an *approximate* starting point. Remember to bear in mind the pattern match when making this measurement. If the inspection of the carpet indicates that more selvage be removed to insure proper tuft bind and lamination of the backings, the installer has the responsibility to remove it. The removal of all selvage edges insures that the installer is working with the proper pile height and tuft bind of the designed product. (**NOTE:** The process of applying attached cushion may leave a small bald spot on the back of the carpet that can be seen through the secondary. This will not affect the performance or enhanced tuft bind properties of the carpet.) Cut the carpet to the proper length (usually 3" to 4" longer than the net measurement) and lay out in the areas where ultimately it will be installed. To enhance seam appearance, we suggest you row-cut at a 5° angle. This will allow for the face pile to better fit tightly together. Trim the seams and align all breadths in their proper position.

Once the seam edges fit correctly, check the carpet at the seam for height variation and correct to a level appearance if necessary. It may be necessary to shim one side of the seam to make pile heights match. This is done by gluing roofing felt to the floor. Generally, one or two layers are all that are required to level the pile. For best results, feather the roofing felt. Care must be taken to keep the pile going in the same direction.

All of the carpet must be loose-laid in the room 24 hours prior to the actual installation with the room temperature at a minimum of 65°F.

D. SEAM SEALER

Use only a **solvent-free** seam sealer. On tufted graphics carpet, seam sealer **MUST** be applied as follows to prevent raveling or fuzzing at the seams. Apply seam sealer to each trimmed edge of the seam, making sure that the sealer is placed between the primary and secondary backings encapsulating the yarn tufts. Allow the seam sealer to set up while spreading the carpet adhesive. Lay one side of the carpet to be seamed into the adhesive after proper set-up time has been given. Then, apply a 1/8" bead of seam sealer along the edge of the carpet where the yarn enters the primary backing. After applying the bead of seam sealer, install the next width of carpet ensuring that the edge of the carpet is placed into the sealer.

E. ADHESIVE

Advanced Adhesive AAT 297, CHAPCO Safe-Set 3, Safe-Set 575, or W.F. Taylor 2055, 2056, & 2057.

WARNING! Lack of adhesion caused either by low quality adhesive or wrong notch trowel selection is the number one cause of installation failure. If adhesive does not have a 100% transfer and display legs when pulled back, the installation at that time should be stopped and corrective measures taken.

F. UNPROTECTED EDGES

At the transition of carpet to other flooring edges, the carpet **MUST** be protected with appropriate molding and seam sealer.

(continued)

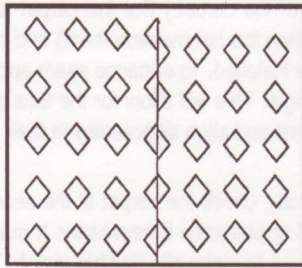
G. SEAMS

A comprehensive seaming diagram must be submitted and approved by the purchasing parties prior to installation. Seam Sealer is to be used at all seams.

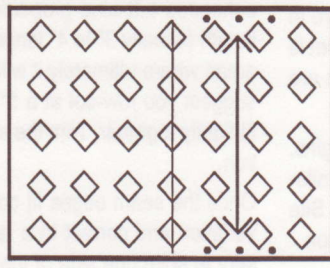
- ◆ The seams should run lengthwise in major areas, parallel to traffic paths, into natural and artificial light sources. Seams are to be avoided at a major pivot or where they may intersect perpendicular to doorways and entrances.
- ◆ **Pacificrest** does not guarantee "invisible" seams; however, excellent seaming is achievable when following these procedures:
 - ✓ Using a straight bit screwdriver or an awl, open up the tufted rows.
 - ✓ Using a loop pile or cushion back cutter, follow the open row with the cutter, keeping the trimmer blade opposite to the selvage edge.
 - ✓ For direct-glue seams, use a **solvent-free seam sealer**.

H. PATTERN MATCHING

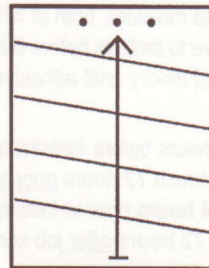
- ◆ Pacificrest does not guarantee a perfect pattern match.
- ◆ Pacificrest **requires** the use of a premium, environmentally safe adhesive.
- ◆ A 1/8" X 1/8" X 1/8" U notched trowel is to be used for all **ActionBac®** styles of Pacificrest carpet.
- ◆ A 3/32" X 3/32" X 3/32" U notched trowel is to be used for all **specialty products and high performance backing systems**.
- ◆ Use an appropriate, **solvent-free seam sealer** and apply along the primary backing where the yarn tufts meet the backing—
NOT ON THE FLOOR!



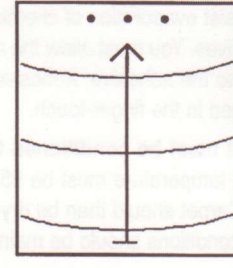
Elongated Short



Power stretch short side & stay tack



Stretch on square



Stretch on square

- ◆ Dry-lay all pieces prior to spreading adhesive. This allows for stretching shorter patterns to match longer ones, or the ability to relocate pieces for a more acceptable match. Polyurethane backings can be stretched similar to commercial grade latex backings, equaling their pattern match characteristics in glue-down installations. As in all demanding commercial installations, regardless of backing type, success depends on qualified installers using proper tools, methods, and procedures.
- ◆ Once all adjoining breadths are laid in place, adhere the elongated breadths to the floor, and lay the carpet into the "wet" adhesive so that the carpet *slides* into the wet adhesive to obtain a pattern match.
- ◆ Match pattern at the seam in the midpoint so that any pattern elongation may be corrected to each wall.
- ◆ Using a two-headed power stretcher or "dead man," stretch the short patterns to match the longer ones. Use stay nails to hold the stretched side on pattern, and use the knee kickers to close any gaps or push any fullness toward the center of the carpet.
- ◆ For breadths exceeding 40 feet in length, it may be necessary to spread the adhesive, and pattern-match in sections to prevent the adhesive from grabbing too quickly. Leave the stay nails in place until the adhesive reaches full strength.
- ◆ Roll entire installation with a 75-lb. carpet roller. First, roll width-wise to remove air pockets. Then, roll lengthwise to assure 100% adhesive transfer to the carpet backing, while still maintaining full floor coverage.
- ◆ A reasonable pattern match can be achieved but must be handled differently than conventional non-patterned carpet. Be sure to consider the time/labor factor at time of bid to account for extra labor. This is not a manufacturing responsibility.

I. POST INSTALLATION

To allow for proper adhesive cure, minimize foot traffic (especially rolling traffic) for **24 hours** after installation. Use plywood or Masonite to protect the installation if furniture move-in is to immediately follow. **DO NOT USE PLASTIC!**