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ESD Broadloom Carpet

Installation Guide

UltraTough Extreme Service Carpeting

Note: The following instructions should be reviewed prior to installation. Every effort has been made to provide accurate and reliable information in this guideline. This is only intended as a guide for our customer's use with our recommended tools and materials. United SCP cannot accept any responsibility for loss or damage that may result from the use of this information, due to the possibility of variations of processing or working conditions and/or workmanship beyond our control. End user customers are advised to conduct their own tests for a particular application. We strongly recommend using a licensed and experienced flooring installer to ensure satisfactory results.

These installation procedures are intended to assist in the installation of United SCP UltraTough Broadloom ESD Carpeting under most job conditions. Specific questions regarding installation and maintenance not covered within must be referred to the United SCP Technical Services Department at 719-676-3928. Any variance from these procedures will become the responsibility of the installer and not the manufacturer.

PRE-INSTALLATION PREPARATION:

Check the quantity, color and lot numbers of the tiles before beginning the job. **DO NOT MIX M.O. numbers (dye lots).** Install by M.O. number sequence as indicated on the box. All claims for damages or deficiencies must be made prior to installation.

GENERAL GUIDELINES:

1. The following installation guidelines as stated herein should be reviewed prior to installation. United SCP will not be held liable for product failure due to improper installation.
2. All other contractors should be finished with their work prior to installation. If work will be occurring simultaneously, take the necessary precautions to ensure a trouble-free installation.
3. The flooring contractor, general contractor or building owner must have the concrete slab tested for the following: surface pH, moisture transmission rate, and subfloor conditions. The results must meet our test guidelines as stated below. United SCP will not be held liable for installation failures if these guidelines are not strictly adhered to.
3. **Moisture** — the site must be tested for moisture randomly throughout the floor. Moisture testing should be performed by ASTM F 1869 Calcium Chloride Tests with moisture levels not to exceed 3.0 lbs./1,000 sq. ft. in 24 hours.

SITE TESTING AND CONDITIONING:

1. **Temperature** — The floor temperature, carpet and adhesive must be maintained at a minimum of 65°F for 48 hours before the installation and remain at this temperature and/or not rise above 80°F at any time during installation and 24 hours after the installation.
2. **Surface pH** — the concrete must be tested for surface pH at several random points throughout the floor. The pH range necessary is 5 - 9. Otherwise, corrective action is required.

GENERAL FLOOR PREPARATION:

1. **Clean Floor** — the floor must be clean and free of all foreign matter including grease, oil, paint, wax, dirt, dust, old adhesives or any material that might interfere with the overall bond strength of the adhesive. The floor should be sound and level. All holes, cracks, depressions or protrusions must be filled with a compatible Portland based patching compound, and then sealed with a latex liquid and allowed to dry.
2. **Caution:** Cutback asphaltic adhesive must be completely and thoroughly removed. No traces can come in contact with the newly applied adhesive. Failure to do so will result in an installation failure.

SPECIFIC FLOOR PREPARATION:

Concrete: New concrete must be clean, dry and cured for a minimum of 90 days and free of parting agents. All concrete should be checked for moisture.



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Dry, dusty, porous floors may need to be sealed.
Note: Sealers will not correct a moisture problem.

Ceramic Tile and Terrazzo Floors: Use only URAS Peel and Stick Adhesive. Ceramic tile floors cannot be loose. Any loose tiles must be removed. Grout lines must be filled and leveled. Strict attention must be paid to the open time for adhesive to become permanently tacky.

VCT, Vinyl Tile and VAT: Use only URAS Peel and Stick Adhesive. Damaged tiles should be filled or replaced, and loose tiles re-glued. Patching compounds should be used to level any floor irregularities and waxes should be fully eliminated to ensure a proper bond. VCT should never be sanded or scraped without proper safety and handling precautions. Special care and are required for asbestos tile abatement.

Other Resilient Flooring: Use only URAS Peel and Stick Adhesive. Homogeneous sheet vinyl and solid vinyl tile may require removal (contact United SCP for specifics).

Old Carpet: Remove old carpet and adhesive.

Steel Flooring: Steel trenches must be clean, level, dry and free from dust, paint or other extraneous materials.

Wood: Plywood, hardwood and particle board used as subflooring must be a flooring grade and installed to manufacturer's recommendations. Joints should be filled and any rough areas sanded smooth. Glossy surfaces need to be roughened prior to spreading the adhesive.

SITE CONDITIONS — ENVIRONMENT:

Radiant heat: Heat must be lowered before the installation to prevent floor adhesive from "setting" too fast.

Sealers: The use of sealers on floor surfaces is generally not necessary except for sanded, dusty, porous, and acoustical surfaces. Sealing cannot overcome moisture conditions and must not be used

for that purpose. When used, sealers must be thin and fast drying. They should be compatible with adhesives, which should be applied only after sealer is dry.

ELECTRICAL GROUNDING:

Install Grounding Strips: Locate AC power outlet. Remove electrical face plate cover (typically plastic). Starting at a location about 1/2" beneath the outlet cutout (on the drywall) run a piece of our 2" wide aluminum foil ground tape down wall and onto clean dust free concrete (or other flooring substrate) about 2 or 3 inches. Note: for a great looking attachment cut any wall base, peel back base and run strip behind re-glued base.



Figure 1

Run another aluminum foil strip (approximately 12" to 36" long) over this 2" or 3" piece that you've placed on the floor. Run this strip parallel to the wall and adhere to the flooring substrate (concrete, VCT, etc.). Lightly sand the foil on the floor with 320 grit emery paper or course scotch bright. Remove abrasive residue with a clean piece of paper towel.



Figure 2

Replace plastic AC electrical face plate cover with a metal face plate cover making sure metal face plate cover contacts the aluminum strip. Please see figure 2. Your floor is now grounded. The ground foil on the wall may be painted if desired.

LAYOUT: Loose lay the carpeting to insure fit in a manner that will reduce seams. The long edges of this carpeting may require straight edging and cutting of dross. This carpeting is very thick and tough and does not lend itself to overlapping and cutting. Leave the lengths at least 4 inches long.



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Acclimate: The floor temperature, carpet and adhesive must be maintained at a minimum of 65°F for 48 hours before the installation and remain at this temperature and / or not rise above 80°F at any time during and 24 hours after the installation. **NOTE:** Unroll Carpeting and relax Face Down for 6 to 24 hours prior to installation.

If Possible: All seams should run the length of the area. Position flooring to keep incident light so as not to strike across the seams. Reduce seams in areas subject to pivoting traffic and avoid seams running perpendicular to doorway openings.

PILE DIRECTION: Where two or more pieces of the same carpet are adjacent the pile direction shall be the same as in other areas unless otherwise specified. Ideally pile direction shall be toward the entrance but other factors such as aesthetics and economic use of the material may also be a consideration.

Roll back carpeting to 1/2 of the length.

NOTE: Use only United SCP Conductive Adhesives. Call United SCP for help with adhesive selection.
NOTE: Always use sufficient ventilation when applying any flooring adhesive.

Apply Adhesive: United SCP recommends using a 3/32" x 3/32" x 1/8" U notch trowel providing a typical coverage of approximately 100 sf per gallon. Floor should have full coverage of adhesive for proper bonding. For concrete and other porous substrates lay the carpeting into the wet adhesive. For non-porous substrates allow the adhesive to slightly tack up prior to laying the material. **NOTE:** Do not exceed a 15 minute adhesive open time.

Roll with 100 pound vinyl flooring roller.

Repeat process for other 1/2.

SEAM SEALERS: Follow standard seaming protocol. Seal all seams using seam cement such as WF Taylor #775 or equivalent. Excess seam sealer should be cleaned from face fibers using an absorbent cloth immediately upon contact.

POST INSTALLATION CARE: 1. Re Roll the entire installation with a 100 lb. roller once installation is completed. 2. Thoroughly vacuum carpeting. 3. A non-staining building material paper must be placed over the carpet to protect it when additional construction activity is to take place that would soil or stain it. Do not use plastic sheeting as it will trap moisture.

Please Contact UNITED Static Control Products for clarification or questions at 719 676 3928 (extension) 7000.

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