

Tandus Centiva

A Tarkett Company

Form #009

power(shield)[™]

INSTALLATION INSTRUCTIONS

power(shield) is an underlayment for Tandus Centiva modular carpet tile ONLY. It is intended for the remediation of Moisture Vapor Emissions up to 10lbs, In-Situ Relative Humidity up to 90%, and pH up to 9 in concrete flooring substrates. This product is not intended for spot remediation. A full installation of **power(shield)** is required for the remediation of areas with moisture and/or pH issues.

Slab Moisture and pH testing (required):

- ASTM F-1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride is used to determine the moisture vapor emission rate (MVER) of the concrete
- ASTM F-2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In-Situ Probes is used to determine the percentage of relative humidity of the concrete at 40% of the depth of the concrete slab
- ASTM F-710-05 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring is used to determine the surface pH of the concrete.
- Testing must be performed according to the referenced ASTM Standards and the results of these tests must be provided to Tandus Centiva Flooring prior to the installation of power(shield) in order to qualify for limited warranty coverage.

power(shield):

- 75-foot roll length (minimums), untrimmed, with a minimum width of 72 inches
- Approximate weight is 120 lbs. per roll, including packaging.

Installation:

Installation over existing multi-purpose adhesives should be scraped to minimize any residue of the old adhesive. Pressure sensitive adhesive that is not contaminated, or compromised by dust, dirt, or debris can be used to adhere the power(shield) to the flooring substrate. Skim coat is not necessary.

1. The flooring substrate should be free of dust, dirt, debris, or any other substance that would impair adhesion, and floor should be level and smooth.
2. Determine best direction to unroll the power(shield) and then unroll power(shield) making sure to overlap the width and length a minimum of 1" to 1.5".
3. Fold back one half of the power(shield) along the side seams and apply C-14, C-EX on the sub-floor. Allow the adhesive to dry in accordance with the adhesive instructions and then re-lay the power(shield).
4. Adhesive coverage should be 2 to 3 times the amount specified on the recommended adhesive container to insure sufficient tack to facilitate double cutting power(shield) seams. Consult Tandus Centiva Technical Services for other acceptable alternative adhesives.
5. Repeat this procedure for the other half of the power(shield) roll making sure seams overlap.
6. Continue this process until all rolls are adhered to the floor.
7. Using a Tandus Centiva Double Cutter cut cleanly though both layers of power(shield) at the side and end seams.
8. Insure that all cut edges fit flush and tight, but are neither gapped nor compressed at the seam.
9. Using the Tandus Centiva #54 Seam Weld and a Gundlach number 5CS Glue 2 Applicator Nozzle apply a bead of Seam Weld along both cut edges of the power(shield). If water based seam sealer is required, please use C-XL seam sealer in place of 54 Seam Weld
10. To insure moisture impermeability, run a putty knife along the surface of the seams to spread the Seam Weld evenly.
11. Once the Seam Weld has dried (1 hour for 54; 18 hours for C-XL) the power(shield) is ready for installation of Tandus Centiva Modular Tile.

Note: These instructions do not cover all possible installation conditions. They are intended for general information on the application of power(shield). For more specific instructions or for flooring substrates or issues not covered within these instructions please contact Tandus Centiva Field Technical Services at 1-800-241-4902, ext 2625, 2623, 2129, 2023 or 2670.