



INSTRUCTIONAL INFORMATION

For all Boss Flooring Vinyl Tile and Plank for Commercial and Residential Use Boss Flooring Carson Collection and Command Collection are higher end performance products than traditional vinyl tiles. They require Taylor 2091 or Mapei Eco 350 adhesive and the following installation instructions. Failure to follow the installation requirements will result in the voiding of the warranty. If you have any questions, contact Boss Flooring or our distributors.

PLEASE FOLLOW INSTRUCTIONS AS FOLLOWS

- A. **MATERIAL STORAGE AND HANDLING** Boss Flooring vinyl tiles and planks must be stored in a warm dry area. Do not expose to extreme hot or cold temperatures. Flooring to be installed must acclimate to job site conditions for a minimum of 48 hours before starting the installation. Cartons must be stored lying flat, never on edge.
- B. **TEMPERATURE** Flooring, adhesive and the area in which the flooring is installed and the subfloor temperature should be 65° to 85° F for a period of 48 hours before, during, and after installation.
- C. **MOISTURE** Boss Flooring cannot be installed where moisture is present. It is the installer's responsibility to conduct moisture tests on all concrete subfloors. An unacceptable moisture condition will cause installation failure. All new concrete slabs can also have moisture problems and must be tested using calcium chloride test ASTM C 1869. Any results greater than 3 lbs. per 1000 square feet are unacceptable for Boss Flooring floors. Moisture meters can be used for a first out-of-hand determination, but must be verified with the ASTM C 1869 test. Certain below-grade concrete slab installations can be done using extreme caution as to the moisture content. Testing should be done at different times of the year to determine the floor does not exceed 3 lbs. per 1000 square feet.
- D. **ALKALINITY** All concrete subfloors should be tested for alkalinity. Excessive alkalinity will cause failure. The alkalinity of the slab should not exceed 9.0 on the PH scale.
- E. **RECOMMENDED SURFACES** Floors must be dry, above or especially below-grade as per required testing. All concrete subfloors must have a moisture barrier installed under the slab and be determined, through testing, to be dry and prone to water absorption.
- F. **POROUS SURFACES** Floors must be thoroughly cured. Unsealed concrete must be free of curing agents, hydrostatic pressure, moisture, chemical adhesive removers and excessive alkali.
- G. **NON-POROUS SURFACES** Sealed concrete, skim-coats and levelers with latex additives, existing bonded tile, resilient tile and sheet flooring (no cushion vinyl sheet flooring) and non-porous leveling products.
- H. **NON-APPROVED SURFACES** Particle board, oriented strand board (OSB), hardboard, treated plywood, stripwood floors, chipboard, waferboard, fiberboard, knotty plywood lauan, cement tileboard, cushioned resilient floors.
- I. **FLOOR PREPARATION** It is the installer's responsibility to make sure the following preparation and conditions are observed. Subfloors must be structurally sound, clean, smooth, dry, and free from dust, wax, grease or foreign material that could interfere with bonding of material to be installed. Any existing flooring and/or adhesive may have to be removed before patch is applied or flooring is installed. Previously applied adhesive (cut back) must be fully removed and the subfloor sealed with an appropriate material or covered with (APA) approved plywood. Do not use any solvent-based adhesive removers or cleaners as they may interfere with the new adhesive being used. When patch is used follow manufacturer's instructions as to proper mix ratios. All skim coats and levelers should cure for 24 hours. All fillers must be sanded smooth and all standings removed. If a sealer or latex additive has been used to seal off cut back adhesive the subfloor is now a non-porous floor. Use approved or recommended adhesive and follow instructions as to conditions and trowel size. All adhesive instructions are on the container label. Do not install Boss Flooring material over gypsum based patching compounds or underlayments.
- J. **CONCRETE SUBFLOORS** All concrete subfloors must be tested for moisture and alkalinity. If they do not meet test requirements, do not install Boss Flooring. If any patching or leveling is needed, use only a Portland cement based product. The concrete must be totally clean and free of any curing compounds, adhesives, grease, wax, and any other foreign material that will interfere with the adhesive bond. Allow up to 10 days curing time for self-leveling compounds as they have a much higher moisture content. If a condition exists where oil, grease or other petroleum products have so penetrated the concrete, do not install Boss Flooring.
- K. **WOOD SUBFLOORS** Wood subfloors should be of standard double layer ply-construction, not less than 3/4" thick, on 16" centers, floor joists not less than 10" high x 1 1/2" thick. Crawl spaces and space between joists must be insulated and protected by a moisture barrier with a well-ventilated air space underneath. Do not install Boss Flooring over any sleeper type subfloor or over plywood that is directly over a concrete slab, below, or on-grade. When installing plywood approved (APA) underlayment, joints must be cross-staggered at least 16". Do not butt panels tightly together. They should just touch. Set floor fasteners slightly below the surface level of the underlayment. All joints and fastener indentations must be filled and leveled with approved floor patch. Follow manufacturer's mix ratios and allow patch to fully dry. Smooth floor out by sanding so floor is completely level. Remove all sandings and dust before applying adhesive.
- L. **EXISTING FLOORING** If installing over existing tile or sheet vinyl floor, the floor must be in good condition – meaning not too loose and be thoroughly bonded to the structural floor. Never install Boss Flooring over more than one layer of tile or sheet vinyl. Never install Boss Flooring over cushion vinyl floors. Existing floors must be stripped of all waxes, rinsed with clean water and allowed to dry. All floors should be lightly sanded to permit good adhesive bonding. Old terrazzo or ceramic floors should be treated in the same manner as a concrete subfloor. Surface glaze coatings and sealers must be removed by grinding and sanding then filled and leveled to a smooth surface. The subfloor must be tested for moisture.
- M. **APPROVED ADHESIVE** Taylor 2091 and Mapei Eco 350. Different amounts of adhesive are used depending on the subfloor absorption rate. More adhesive will be required for porous floors (1/16" x 1/16" x 1/16" trowel) and less adhesive for non-porous floors (1/32" x 1/16" x 1/16" trowel). On porous floors adhesive should be slightly wet and not quite clear when installing tile. On non-porous floors the adhesive can be clear. It's important to get a good bond/transfer of adhesive. Never spread more adhesive than can be covered before the adhesive loses its transfer ability. Read the label on specified adhesive before installation. NOTE: Other adhesives can be used but must first be approved by Boss Flooring. An epoxy adhesive may be required where heavy equipment fixtures are used or where conditions dictate. If you have any installation questions, contact Boss Flooring. After installation the entire floor must be rolled with a minimum 100 lb. roller in both directions. This will remove air and promote a good adhesive transfer and bond. Wipe excess adhesive from tile as quickly as possible using a damp cloth with a little liquid dishwasher soap. This will make cleanup much easier. Avoid allowing adhesive to dry on floor.
- N. **AFTER INSTALLATION** Stay off floor for 24 hours if possible. Do not wash or polish the floor for at least 72 hours after installation. Never flood floor with water when cleaning. This may cause adhesive to loosen. Do not roll any heavy objects on the floor for at least 6 days. It takes at least 7-10 days for the adhesive to bond. If you must move heavy items, make sure you put down firm boards or at least 1/2" plywood to roll dollies or carts. Lay down untreated construction paper to protect floor until construction is finished.
- O. **PROTECTOR** The only type of furniture protectors that are required and should be used are wood, felt, cloth or plastic. In areas where furniture is moved frequently, (example: kitchen chairs) the floor should be kept clean of dirt, sand or any other abrasive soil. An extra coat of floor dressing finish in these areas is suggested. Plastic chair mats may also be used to further protect your floor.
- P. **RADIANT HEAT** Boss Flooring is not recommended for radiant heat. However, at the owner's risk and with the following restrictions, it can be achieved. Radiant heat subfloor should be in operation a minimum of three weeks prior to flooring installation. Heating components must never come in contact with adhesive or tile. Do not operate heated subfloor 4 days before and 7 days after installation. The surface of any subfloor should not exceed 80° F. Avoid any direct flow of heat from heating fixtures. Do not allow the room temperature to go below 55° F.