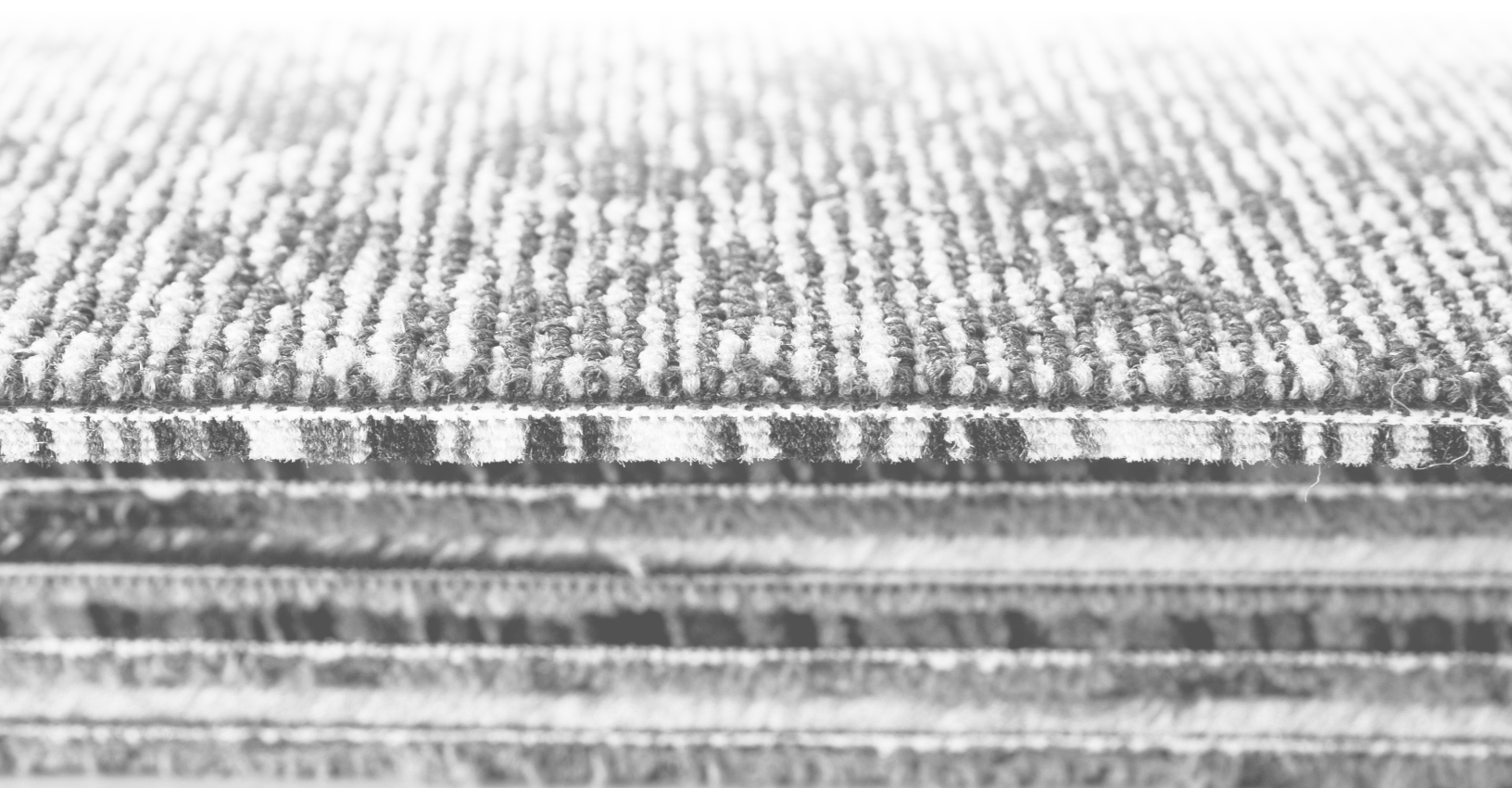


TUNTEX™

LUXCUSHION™
INSTALLATION
INSTRUCTION



Make sure you inspect the LuxCushion™ tiles prior to installation. No claims will be honored if tiles are installed with visible defects. Read all instructions prior to beginning installation. Also refer to CRI-104/BS5325-2001 or AS/NZS2455.2 installation standards for additional information.

NOTE: It is recommended that installers lay out 9 - 16 tiles first, in the desired installation, and get end user approval of the installation method before installing.

SITE & TILE MATERIAL CONDITIONING

- Due to the nature of textile materials, they need to be acclimatized to the atmospheric conditions that will prevail after installation and during use. LuxCushion™ tiles from Tuntex should be unpacked and allowed to condition in an area having the room temperature no less than 16 degrees Celsius and no more than 29 degrees Celsius at least 48 hours before installation. Relative humidity must be between 10% - 65% for 48 hours prior to installation. These conditions must remain constant and be maintained for 48 hours after completion of installation.
- Textile floorcoverings, especially cut pile products, can be susceptible to temporary pressure marking an effect caused by packing, storage and shipment. This temporary effect occurs with all grades of carpet and will vanish as the tufts recover and the carpet regains its original appearance.

PREPARATION

- It is the owner's or general contractor's responsibility to provide an acceptable substrate for the specified installation, which must also be inspected by the installation contractor prior to installation.
- The subfloor must be clean, dry and free of dirt, oil, grease, paint and non-compatible adhesives or coatings, including old cut-back adhesive.
- Existing adhesive trowel ridges must be leveled by scraping, sanding or patching prior to adhesive application to ensure proper pressure sensitive adhesive contact.
- All cracks should be filled using a leveling or patching compound.

- Do not install over hazardous materials such as asbestos, resin or silicate based curing compounds.
- Do not use oil or silicate based sweeping compounds. Bond tests must be performed over concrete with unidentified sealers or primers.

SURFACE PREPARATION

- Dust, dirt, debris, and non-compatible adhesive must be removed before installation begins.
- Surfaces must be smooth and level with all holes and cracks filled with latex based patching compound.
- **LuxCushion™ tiles are not recommended to be installed on stairs or uneven floors.**

ADHESIVES

Any residues or old adhesive must be removed and floors sanded or covered with a skim coat of patching compound.

NOTE: Failure to remove or seal old adhesive may cause installation failure, plasticizer migration, shifting, buckling or edge curling. These conditions will not be covered under warranty.

MOISTURE & PH TESTING

- It is the responsibility of the general contractor and/or installer to perform moisture tests on subfloor surfaces prior to starting the installation. It is recommended that an "in-situ" test as per ASTM F2170 be performed to detect the presence of moisture. Substrate must have an alkalinity level of between pH7 and pH9.

- It is recommended that a qualified independent third-party testing agency be used for determining the moisture and alkalinity conditions of a concrete slab. This testing is a prudent and necessary safeguard for the general contractor and owner to reduce the risk of concrete slab related flooring problems.

NOTE: Moisture emissions or alkalinity level in excess of the recommended levels can cause the adhesive to chemically break down and fail. This condition can result in shifting, buckling, edge curling or damage to carpet tiles. These conditions will not be covered under warranty.

SUBFLOORS

▪ New Concrete

New concrete must be fully cured and free of moisture. New concrete requires a curing period of between 90 - 120 days. Tests for moisture and alkalinity must be performed as detailed under moisture & PH testing.

▪ Old Concrete

Old concrete should be checked for moisture. Dehydrated or porous floors must be sealed. However, sealers will not correct a moisture problem. Dusty floors should be cleaned and dust-free.

OLD CARPET

Remove old carpet and existed adhesive before applying new adhesive.

LAYOUT

Begin the layout by carefully marking working lines on the floor surface to act as the starting position and guide for your LuxCushion™ tiles installation.

- First, determine that your room is as square as possible: Take measurements to determine the center of the room and snap two chalk lines that intersect at the center of the room. These lines will provide a guide for squareness as you install the LuxCushion™ tiles as well as divide your room into 4 manageable quadrants. It may be necessary to offset the centerline to ensure that perimeter tiles are no less than (half of a tile).

- Position the first tile at the intersection of the horizontal and vertical layout lines, dry lay a few tiles in one of the recommended installation methods for that particular product (ashlar, herringbone, quarter turn, brick, etc.), to give you and the customer indication of the overall appearance.

APPLYING ADHESIVE

- The subfloor should be scraped clean of old adhesive, and thoroughly swept before applying new adhesive. The adhesive should be spread in one quadrant at a time, and should be spread only over areas that you will install in the current day.
- **Apply pressure-sensitive adhesive to 100% of the floor area using a notched trowel (1/16" or 2mm) or a textured roller. Recommended adhesive application rate is 3~4 sq.m./liter (For LuxCushion™ Air is 5~6 sq.m./liter).**
- Coverage rate is dependent on the condition of the subfloor. Adhesive application rate needs to be increased in following areas: ① heavy traffic; ② cart/trolley path; ③ edges and corners of the room; ④ trimmed/cut LuxCushion™ carpet tiles.
- The adhesive should be given adequate time to dry completely until it becomes clear and tacky. Drying times will vary based on local conditions. The adhesive is ready for installation when you can place your hand in the glue and remove it with no transfer to your hand.

NOTE: Due to the nature of the product, if the adhesive is not completely dry before the installation of LuxCushion, it might be absorbed into the product. This may result in the adhesive losing its tackiness, tile shifting, peaked edges, gaps, damages to carpet tiles. These conditions will not be covered under warranty.

TILE PLACEMENT

- Starting in the corner of one quadrant, install LuxCushion™ tiles in a pyramid fashion. Install by butting edges together evenly. Do not compress tile (this can cause peaked edges). Arrows are embossed on the tile backing to show pile direction.

Unless instructions are stated, always lay tile with the arrows in the same direction.

- Tiles in the completed installation should be tight but not compressed. To ensure proper spacing when installing LuxCushion™ tiles, measure the distance covered by 10 tiles installed on the floor with no visible gaps, peaks or overlaps. The measurement should be equal to 10 times the tile size(+5mm/-2mm). This measurement is an indication of correct placement of tiles to prevent compression or gapping between tiles.

CUTTING / TRIMMING / INSTALLATION

- LuxCushion™ tiles will require cutting at perimeters, floor electrical outlets, and door openings.
- Loop pile tile may require some trimming or clipping of tufts. This is typical of this type construction and is not a manufacturing problem. Small pieces of tile should have glue applied to the backing to help hold them in place.
- **As per basic rules of installation, please Do Not install LuxCushion™ tiles too tight against each other nor squeeze into narrow spaces, make sure to cut and trim to fit.**
- Use a heavy roller to roll over after installation in order to make sure LuxCushion™ tiles and adhesive has a strong grip.

CHAIR PADS

- Chair pads are recommended for use under chairs with sharp points or roller casters. Casters should be the flat round type with 5/8" to 1" width minimum.
- If chair pads are not used, the appearance of the LuxCushion™ tiles will decrease and maintenance and/or shifting of the tile may be required more frequently.

LOOP PILE CONSTRUCTION

LuxCushion™ tiles with loop pile constructions may experience yarn blossoming at the edges, which is consistent with this type of construction. Clipping or shearing the yarn edges can remedy this condition.

TILE ARRANGEMENT

- Some carpet styles require more attention from the installers during installation. Due to the light row, dark row construction of these products, dark lines may appear at the edges. This is not a manufacturing defect. These products will require shifting tiles around to avoid dark lines at the edges.
- LuxCushion™ tiles are recommended for different installation methods(e.g. Some styles are recommended for quarter-turn only while others are more flexible).
- Check the product specification for the recommended installation methods for each particular carpet tiles.

POST INSTALLATION

- Masonite or Heavy Kraft paper can be used as post installation protection.
- Regardless of installation method, please do not use plastic, self-adhering membranes or any other type of impermeable products. These can leave adhesive residue on the carpet fiber and will attract soiling and possibly cause discoloration, Use of these products will void the warranty.

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