

# Carpet Tiles

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## PRODUCT SPECIFICATIONS

### *PART 1 - GENERAL*

#### **1.01 RELATED DOCUMENTS**

Drawing and general provisions of contract, including general and supplementary conditions, apply to work of this section.

#### **1.02 DESCRIPTION OF WORK**

1. Definitions: The (...insert description of work...) includes:
  - .1 Carpet tiles, needle punch polypropylene
  - .2 Interior and exterior adhesive.

#### **1.03 QUALITY ASSURANCE**

1. Manufacturer: Manufacturer to be an established firm experienced in the manufacture of prefabricated rubber flooring. All materials to be the product of one manufacturer. Manufacturer to have completed at least five (5) projects of similar size and magnitude.
2. Installer: Installer to be a firm experienced in the installation of carpet tiles over recommended base materials.
  - .1 Installer to be recognized and approved by the manufacturer.
  - .2 Installer to have completed at least three (3) projects of similar magnitude and complexity.
3. Submittals:
  - .1 Submit five (5) copies of manufacturer's recommendations for the correct preparation, finishing and testing of substrate base materials to receive carpet tile surface.
  - .2 Submit five (5) copies of manufacturer's standard product warranty indicating provided carpet tiles to be free from manufacturing defects for a period of one (1) year limited warranty; seven (7) year excessive wear warranty.
  - .3 Submit five (5) copies of manufacturer's installation instructions.
  - .4 Submit five (5) copies of manufacturer's maintenance instructions.
4. Proprietary Materials: Handle, store, mix and apply proprietary materials in compliance with manufacturer's instructions. Provide materials obtained from one source.

#### **1.04 DELIVERY AND STORAGE HANDLING**

1. Deliver matting in a manner to avoid any damage. Adhesives or surface preparation product containers shall be unbroken and labels intact until time of use. Prevent damage or contamination to materials by water, moisture, freezing, excessive heat, foreign matter or other causes.
2. Bending and folding is not recommended for rubber flooring. Under no circumstances should the matting be left bent, folded, stepped on or crushed, as this may destroy the matting. It is recommended that the matting be stored on-site with the adhesives, etc. at least 24 hours prior to installation.

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### *PART 2 - PRODUCT*

#### **2.01 CARPET TILE**

1. Carpet Tiles is produced in 19.69" x 19.69" x 3/8" tiles which are made from needle punch polypropylene fibers to form a product that is perfect for use with any high abuse situation. Carpet Tiles is ideal for use in skating arenas, golf pro shops and clubhouses, as well as in school locker rooms or multi-purpose rooms. Designed for high traffic areas or wherever you have a need for a tough but attractive floor.



## **2.02 ADHESIVE**

1. The recommended adhesive for Carpet Tiles products is a single-component acrylic.

## ***PART 3 – EXECUTION***

### **3.01 CONCRETE PREPARATION**

1. The sub-floor must be smooth and level. Irregularities in many cases will telegraph through resilient flooring materials.
2. Any wax, paint, varnish, old adhesives, etc. should be completely removed.
3. Existing concrete sub-floors must be clean, dry and smooth. The sub-floor must be prepared to provide proper bonding for the adhesive to be used.
4. New concrete floors should be cured at least six (6) weeks prior to moisture test (some floors need longer). Concrete that is either new or extra rough and porous should be sealed. It is very important that a moisture test be done prior to installation. Moisture is the single most significant factor that causes bonding failure to the sub-floor. There are two types of acceptable moisture test: 1) The Poly File Test: Tape down a sheet of plastic or film over a section of the floor. Wait 72 hours. Then look for moisture droplets under the plastic sheet; 2) The Calcium Chloride Test: A quantitative test requiring no more than 3 lbs. moisture emissions per 24 hours per 1,000 sq. ft.

### **3.02 WOOD FLOOR PREPARATION**

1. New wood sub-floors should be CDX exterior smooth one side.
2. All nails must be caulked and surface sealed with epoxy sealant.
3. Plywood should be acclimatized for a 48-hour period prior to installation of tile.
4. All wood sub-floors must be clean and dry of all dust, dirt and other materials.
5. Any cracks, holes and rough and uneven areas can be patched with good quality cement-based leveling compound such as Mapei Planipatch and Planipatch-Plus.

### **3.03 PREPARATION FOR INSTALLATION**

1. Before work commences, examine the areas to be covered and report any flaws or adverse conditions to the general contractor and/or architect. Do not proceed with the installation until substrates and conditions comply with the requirements indicated in manufacturer's instructions.
2. Make sure you maintain a minimum of 15° C or 60° F and a maximum temperature of 30° C or 85° F and a relative humidity of 65% or less for at least 48 hours before installation. These conditions should be maintained night and day during installation and for at least 72 hours after work is completed.

### **3.04 INSTALLATION**

1. Determine centerline in both north-south and east-west directions of area to be covered in modular tiles. Snap caulk lines on centerline in both directions forming a cross.
2. Spread adhesive with a 1/8" x 1/8" x 1/16" V-notched trowel. Release-Bond Adhesive coverage will be approximately 450-675 sq. ft. per gallon. Allow adhesive to flash for 15 minutes prior to installation. Apply only as much adhesive as can be installed in 30 minutes.
3. Begin in center and install first tile aligning corner with the cross of the caulk centerline. Press modular tiles firmly into adhesive. Continue installing tiles in a parquet pattern by quarter turning each tile. Work from the center to the outside edges of the area.
4. Roll installed tiles in both directions with a 150 lb. three-section roller.
5. Inspect area to ensure there are no gaps and all tiles are flat and securely in place.