

SECTION 09 66 01

INTERLOCKING RUBBER TILE FLOORING

PART 1 GENERAL

1.01 SUMMARY

A. Related Sections:

1. 03300 - Cast-In-Place Concrete.
2. 16132 - Floor Boxes.

1.02 REFERENCES

A. American Society for Testing and Materials (ASTM):

1. E84-96a Test Method for Surface Burning Characteristics of Building Materials.
2. E648-97 Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
3. E662-95 Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
4. F710-92 Standard Practice for Preparing Concrete Floors and Other Monolithic Floors to Receive Resilient Flooring.

1.03 SUBMITTALS

- A. Submit properly identified product data, including installation instructions before starting work.
- B. Samples: Submit manufacturer's standard size samples of color, and finish and required accessories including full range of flooring color and pattern variations available from proposed manufacturer.
- C. Maintenance Instructions: Submit manufacturer's written instructions for recommended maintenance practices to include:
 1. Schedule: Frequency and type of maintenance defined.
 2. Equipment: Equipment and tools specified by generic language or manufacturer's name.
 3. Materials required to maintain flooring by brand name, quantities, and proper solutions.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in manufacturer's unopened original dry packaging, with tags and labels intact.
- B. Provide equipment and personnel to handle materials to prevent damage from dropping, careless storage, and handling.
- C. Store material in weather protected space with temperature between 65 & 90 degrees F.

1.05 SITE CONDITIONS

- A. Maintain room and material temperature between 65 degrees F. and 90 degrees F. for at least 48 hours before, during, and 48 hours after installation. Maintain a minimum 65 degrees F. thereafter. Painting shall be completed, air-conditioning operational, and exterior thresholds installed.

1.06 WARRANTY

- A. Furnish manufacturer's standard warranty covering manufacturing defects for a period of 2 years.
- B. Installer shall warrant in writing to correct conditions due to faulty installation or replace defective materials after project completion.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Resilient Accessories:
 - 1. At Walls:
 - a. 1/8" thick, 4 inches high rubber with cove profile.
 - 1) Colors as selected by the A/E from manufacturer's standard colors.
 - 2) At all corners, provide inside/outside corners as applicable to the specific corner. Extend 4 inches minimum beyond corner.
 - 3) Premolded corners are not allowed.
 - 2. Manufacturers:
 - a. Armstrong.
 - b. Flexco.
 - c. Johnsonite.
 - d. Burke Mercer.
 - e. R.C.A. Rubber.
 - f. Roppe.
- B. Accessories:
 - 1. Metal transition (edge) thresholds at every doorway, to meet handicapped accessibility requirements by Pemko or accepted equivalent.
- C. Interlocking Rubber Flooring:
 - 1. 24 inch x 24 inch x 9/16" cut resistant rubber, with border and corner tiles.
 - 2. Colors as accepted by A/E from manufacturer's standard colors.
 - 3. Hid-N-Lock by Pawling Corp. or accepted equivalent.

PART 3 EXECUTION

3.01 INSPECTION

- A. Do not proceed with the work of this section until conditions detrimental to the proper and timely completion off the work have been corrected in an acceptable manner.

3.02 PREPARATION

- A. Comply with ASTM F710, manufacturer's recommendations, and as specified for surface preparation.
- B. Concrete shall be smooth and level, with maximum surface variations not exceeding 1/8" in a 10 foot radius. Grind down ridges and other irregularities.
- C. Fill cracks, holes, and depressions with cementitious based or white premixed latex underlayment as recommended by the flooring manufacturer. Latex and powder shall be from the same manufacturer and as recommended by the manufacturer.
- D. Seal concrete slabs to receive interlocking rubber flooring.
- E. Remove paint, oils, bond breakers, waxes, and sealers from surface. Inorganic solvents are not to be used.
- F. Moisture Tests:
 - 1. Determine whether the concrete slab is adequately dry for rubber flooring installation.
 - 2. Test concrete slabs in new construction or existing slabs on grade for manufacturer's allowable moisture content by one of the following:
 - a. The protimeter electrical conductivity survey master moisture test instrument.
 - b. Calcium chloride test.

3.03 INSTALLATION

- A. Lay interlocking rubber flooring over sealed concrete floor without adhesives.
- B. Layout:
 - 1. Butt tightly to vertical surfaces, thresholds, nosings, and edges.
 - 2. Scribe, as necessary, around obstructions to produce neat joints, laid tight, even, and straight.
 - 3. Extend flooring into toe spaces, door reveals, into closets, and similar openings.
 - 4. Install border tiles next to walls of not less than one half tile and of approximately equal size around the perimeter of the room.
- C. Fill surface imperfections such as cracks, depressions, or rough areas with underlayment.

D. Transition (Edge) Strips:

1. Install metal transition (edge) thresholds with concrete screws at 6 inches o.c. wherever exposed edges of resilient flooring materials occur.
2. Where rubber flooring stops at doorways, set transition thresholds directly under the door in its closed position.

3.04 CLEANING AND PROTECTION

- A. Before allowing traffic, protect installed flooring from damage by covering with clean, heavy duty building paper from time of cleaning until all work in the area is complete.

END OF SECTION