

PART 1 GENERAL

1.1 REFERENCE

- .1 Comply with the General Conditions of the Contract, Supplementary General Conditions and the requirements of Division 1.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- .1 Cast in Place Concrete Section 03300

1.3 SCOPE OF WORK INCLUDED

- .1 Supply and Install Rubber Flooring and Rubber Base. The complete installation of prefabricated rubber sports surfacing, dual durometer vulcanized and calendered with special embossing including adhesive

1.4 SUBMITTALS

- .1 Submit samples of all colours and types of Rubber Flooring and Rubber Base as per requirements of Section 01340.

1.5 MAINTENANCE MATERIALS

- .1 At completion hand over to the Owner 2% of each type and colour of the flooring installed. Include the cost of the extra material in the Contract Price.
- .2 Maintenance must be from the same colour dye lot.

1.6 MAINTENANCE MANUAL

- .1 Provide triplicate set of printed maintenance instructions for inclusion in Data Manual as specified in Division 1. Give specific warning of any maintenance practice or materials which may damage or disfigure the resilient flooring.

1.7 SUBSTRATE

- .1 Preparation of substrate to provide a smooth dense finish highly compacted with a tolerance of 1/8" in 10 foot radius.

1.8 QUALITY ASSURANCE

- .1 The manufacturer to be a firm experienced in the manufacturing of prefabricated rubber surfaces.
- .2 Installer to have successfully completed installations of the same scale in the last three years.
- .3 Installer to be recognized and approved by the sports surfaces manufacturer/

1.9 DELIVERY AND STORAGE

- .1 Deliver and store the material in the original packaging with the labels intact in a controlled environment of a minimum temperature of 55 degrees F and under 50 % relative humidity. Protect work until accepted by owner.

1.10 PROJECT CONDITIONS

- .1 Maintain a minimum of 68 degrees F room and subfloor temperature for a period of 48 hours prior to, during and 48 hours after the installation.
- .2 Flooring should not be installed before the concrete or asphalt subfloor has cured for a minimum of thirty days.
- .3 Moisture content of the concrete slab must not exceed 3 lbs per 1000 sq.ft. in 24 hours when using the calcium chloride test.

PART 2 PRODUCTS

2.1 MATERIALS

- .1 Material
Physical properties of the prefabricated sport surface to conform to the requirements found in the manufacturer's specification text.
- .2 Material : **Mondo Endurance Tile** - Exercise Room

Colour Black : 3/8" thick
- .3 Rubber Base (RUB2) - see drawings for locations
All vulcanized rubber base shown on the finish schedule or otherwise listed shall be Amtico Vulcanized Rubber Base by American Biltrite (Canada) Limited, or equal. Vulcanized Rubber base shall comply with CSA A126.5,

1987, Type 1 Standard. All base shall be 4" height, RB120 Black Colour. Length 120'. Right angle corners shall be fully adhered to the approval of the architect. Use chembond 1651 Adhesive.

2.2 ADHESIVE MATERIAL

- .1 Rubber sport surface adhesive to be two part polyurethane adhesive suitable for adherence of a sheet good to or tiles to concrete. Adhesive to be supplied and recommend by the flooring manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Examine floor surfaces to ensure that they are clean, level free from cracks, ridges, dusting scaling and carbonation.
- .2 Examine the floor from time to time in advance of the application of flooring to ensure that floors are protected against entry of water and moisture.
- .3 Prior to the installation of the flooring, test concrete slab for excessive moisture content by a method acceptable to the consultant, the Flooring manufacturer and the Contractor.

3.2 INSTALLATION - GENERAL

- .1 Use materials and install flooring and base in accordance with the manufacturer's printed recommendations except as specified in this section.

3.3 INSTALLATION RUBBER FLOOR

- .1 Before spreading primer or adhesive thoroughly broom clean and vacuum the floors to remove dust and debris.
- .2 Fill all cavities, cracks, joints and all other surface imperfections in concrete substrate with latex type fill in order to produce a smooth, flat, hard surface for receipt of the flooring.
- .3 Lay tiles with straight joints. Butt tiles to moderate contact and lay symmetrically with and parallel to the axis of room to provide perimeter tile of at least one half tile in width.

- .4 Distribute variations in shade or pattern of production run to obtain uniform effect.
- .5 Where tiles have a pattern or grain, lay the pattern in one direction only throughout the building. Notify consultant before installing the tiles.
- .6 Roll tile after laying.
- .7 Accurately scribe the tile around the walls, columns, floor outlets and any other projections through the floor.
- .8 Where a trench duct system occurs in floors lay tile over duct between the side ribs of the trench ducts. In laying the tile maintain the overall pattern of the tile regardless of the location of the trenches.
- .9 Where hand hole covers of underfloor duct systems or other fitments occur in floor, set the tile in the recess provided. Maintain the overall pattern of the tile regardless of the location of the covers.
- .10 Moisture level of the concrete is to be tested prior to the application of the resilient good.
- .11 A 1/8" fit around walls and openings will be permitted. Larger than 1/8" openings will be rejected by the architect. Cut and adjust prior to securing.
- .12 Flooring to be spread out to allowed the material to " relax " after shipping
- .13 Mix adhesive in accordance with manufacturer's written instructions.
- .14 Test patch adhesives to insure bond fast to substrate.
- .15 Hold all seams with suitable weights for a minimum of 12 hours.

3.4 INSTALLATION - RUBBER BASE

- .1 Install base to walls and fitments. Fill cracks or irregularities with filler approved by the manufacturer.
- .2 Provide solid backing over the entire area behind the base where substrate is not solid.
- .3 Make joints vertical and tight with no two joints closer

than 18" apart. Mitre interior corners of base.

.4 Sand bag base to wall unit fully cured.

3.5 CLEANING

.1 Final cleaning in accordance with Division 1

.2 Protect the newly laid flooring from construction traffic for a period of 4 to 7 days. At the end of this period thoroughly clean all surfaces with a liquid commercial cleaner.

.3 Clean and rinse the floor with a squeegee at project substantial performance walk thru.

END OF SECTION