

Section 09770

RECREATIONAL & ATHLETIC FLOORING SYSTEMS

Pawling Corporation -- Standard Products Division

SpecNotes are in italic type. They give instructions for the use of sections in this specification. To remove them simply select the objects and delete them.

This section is based on Pro-Tek Recreational and Athletic Flooring Systems manufactured by Pawling Corporation, Standard Products Division, at the following address:

Borden Lane P.O. Box 200

Wassaic, NY 12592

Telephone: 800-431-3456 (U.S. and Canada) or 914-373-9300

Fax: 800-451-2200 (U.S. and Canada) or 914-373-8712

PART 1 GENERAL

1.1 SUMMARY

A. Scope

1. Work covered under this section will include the supply of all materials and manpower necessary for the complete installation of Pawling's Interlok Sports Surface.
2. Furnish and install, per plans and specifications, _____, style _____ as manufactured by Pawling Corp., Wassaic, NY 12592.

B. Related Work Specified Under Other Sections.

1. Substrate Buildup:

- a. Concrete for indoor installation ... Section 03010
- b. Plywood for indoor installation ... Section 06122

2. Substrate shall be relatively level, and free of dust, or other foreign substances detrimental to smooth layment of tiles.

- a. Tiles must not be installed until time of substantial completion of project in the area and surrounding rooms.

1.2 REFERENCES

A. American Society for Testing and Materials (ASTM)

1. D-412 -- Tensile Strength
2. D-224 -- Durometer Shore "A" Test
3. D-412 -- Elongation

4. 624 -- Tear Resistance
5. D-746 -- Temperature Stability Range
6. D-2047-82 -- Static Coefficient of Friction
7. E-648 -- Flammability

B. National Fire Protection Association (NFPA):

1. 253 -- Flooring, Radiant Panel Test

C. Federal Specifications:

1. MIL-M-15562 -- Dielectric Strength

1.3 QUALITY ASSURANCE

A. Manufacturer Qualifications

1. Manufacturer shall be an established firm experienced in the manufacturing of athletic surface systems: Pawling Corp.
2. Flooring contractor shall be experienced in the resilient rubber flooring field.

1.4 DELIVERY AND STORAGE

A. Delivery of Materials

1. The General Contractor shall provide a secure, clean, and dry location for storage of material.
2. Under no circumstances should material be stored outside.
3. Material shall not be stored for extended periods (over 30 days) in areas subject to fluorescent lighting, without being covered by dark, polyethelene sheathing or similar light barrier.

1.5 QUALITY ASSURANCE

- A. _____ shall be purchased solely through authorized Pawling dealers.

PART 2 PRODUCTS

2.1 ACCEPTABLE SYSTEMS

A. Flooring

1. All interlocking rubber floor tiles shall be manufactured by Pawling Corporation, Borden Lane P.O. Box 200, Wassaic, NY 12592.

B. Product Description

1. All interlocking rubber floor tiles shall be compounded of virgin SBR rubber. No reclaimed or reprocessed rubber shall be used. Tiles shall include five (5) interlocks per side.

Delete styles not required for project. If more than one type is required, either schedule on drawings or add statements to specifications, describing locations for each type.

2. [Insert Product Description for _____ as shown below]

Hid-N-LokR II, Style HL-150, as manufactured by Pawling Corporation, Wassaic, NY. Tiles shall conform to the following characteristics:

Size: 24" x 24"

Thickness: 3/8"

Weight: 11 Lbs./Ea.

Flammability: (Flooring, Radiant Panel NFPA 253; ASTM-648): Critical Radiant Flux -- 0.44 Watts/CM2, Class II

Tiles shall have hidden interlock feature, which "hides" interlocks beneath the surface of the tile.

Tiles shall have smoothed textured surface.

Tile surface shall have (4) 12" x 12" squares per tile.

Tiles shall be solid color throughout the full thickness of the tile.

Hid-N-LokR, Style HL-100, as manufactured by Pawling Corporation, Wassaic, NY. Tiles shall conform to the following characteristics:

Size: 24" x 24"

Thickness: 9/16"

Weight: 16 Lbs./Ea.

Static Coefficient of Friction per ASTM D-2047-82

Dry: 0.84

Wet: 0.90

Flammability: (Flooring, Radiant Panel NFPA 253; ASTM-648): Critical Radiant Flux -- 0.4 Watts/CM2, Class II

Tiles shall have hidden interlock feature which "hides" interlock beneath the surface of the tile.

Tile surface to consist of (16) 5-1/2" x 5-1/2" raised squares with a sand blasted soft etch.

Tiles shall be solid color throughout full thickness of tile.

Gymtile™/Flip-It™, Style FL-100, as manufactured by Pawling Corporation, Wassaic, NY. Tiles shall conform to the following characteristics:

Size: 24" x 24"

Thickness: 7/16"

Weight: 12 Lbs./Ea.

Static Coefficient of Friction per ASTM D-2047-82

Dry: 1.19

Wet: 1.12

Flammability: (Flooring, Radiant Panel NFPA 253; ASTM-648): Critical Radiant Flux -- 0.577 Watts/CM2, Class I

Tiles shall have an etched pattern to provide secure footing in wet/dry conditions.

Tiles shall be reversible in place, allowing tiles to be replaced, if required, without reversing the entire floor.

Tiles shall be solid color throughout full thickness of tile.

Pro-Lok I™, Style PL-100, as manufactured by Pawling Corporation, Wassaic, NY. Tiles shall conform to the following characteristics:

Size: 24" x 24"

Thickness: 7/16"

Weight: 10 Lbs./Ea.

Flammability: (Flooring, Radiant Panel NFPA 253; ASTM-648): Critical Radiant Flux -- 0.44 Watts/CM2, Class II

Tiles shall have a textured top surface consisting of raised discs of alternating sizes.

Bottom surface of tile shall consist of knob and groove design with air flow slots to allow for increased air movement to speed evaporation.

Tiles shall be solid color throughout the full thickness of the tile.

Aerobic Tile -- Traction Top, Style PL-200, as manufactured by Pawling Corporation, Wassaic, NY. Tiles shall conform to the following characteristics:

Size: 24" x 24"

Thickness: 9/16"

Weight: 14 Lbs./Ea.

Flammability: (Flooring, Radiant Panel NFPA 253; ASTM-648): Critical Radiant Flux -- 0.44 Watts/CM2, Class II

Tiles shall have hidden interlock feature, which "hides" interlocks beneath the surface of the tile.

Tiles shall have raised nub surface for additional traction and slip resistance.

Tiles shall have knobbed underside to allow for aeration and impact cushioning.

Tiles shall be solid color throughout the full thickness of the tile.

Aerobic Tile -- Polish Top, Style PL-300, as manufactured by Pawling Corporation, Wassaic, NY. Tiles shall conform to the following characteristics:

Size: 24" x 24"

Thickness: 3/8"

Weight: 10 Lbs./Ea.

Flammability: (Flooring, Radiant Panel NFPA 253; ASTM-648): Critical Radiant Flux -- 0.44 Watts/CM2, Class II

Tiles shall have hidden interlock feature, which "hides" interlocks beneath the surface of the tile.

Tiles shall have smooth surface to allow for greater side to side foot sliding mobility.

Tile surface shall have (4) 12" x 12" squares/tile.

Tiles shall be solid color throughout the full thickness of the tile.

3. The following characteristics will serve to define the quality of the flooring material to be installed:

Specific Gravity: 1.47 +/- 0.03

Tensile Strength (ASTM D-412): 650 PSI

Durometer Shore "A" Test (ASTM D-224): 55 +/- 5

Elongation (ASTM D-412): 550%

Tear Resistance (ASTM-624): 75 PPI

Temperature Stability Range (ASTM D-746): -30°F to 120°F

Shrinkage (7 days @ 212oF): 2%

Dielectric Strength (MIL-M-15562): 37,000 volts

Conductivity: Non-conductive

4. Colors to be selected from manufacturer's seven (7) standard colors. They are: Black, Tan, Terra Cotta, Blue, Charcoal, Taupe, and Teal. Note: Special custom colors are available upon request, subject to upcharges and minimum quantities.

PART 3 EXECUTION

3.1 INSPECTION

- A. Substrate shall be checked by flooring contractor for contamination, dryness, and relative level.

3.2 INSTALLATION

- A. Tiles are to be installed without adhesive over any solid base such as concrete, plywood, or existing hardwood flooring. The floor must be relatively level with no large cracks, depressions or indentations. Before installing, the floor must be swept and any concrete accumulations (powder or debris) must be removed.

1. Under no circumstances may tiles be installed over carpeting of any grade.
2. Refer to manufacturer's installation instructions for full installation details.

END OF SECTION