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I Part One - General

1.01 RELATED SECTIONS

Spec Note: List appropriate Sections for related work specific to project

.A Section 15[] 16[]: Floor access covers, drains.

1.02 REFERENCES

.A ASTM C 501, Taber Abrasion.

.B ASTM C 1028, Co-Efficient of Friction.

.C ASTM D395, Rubber Property Compression Set Method B.

.D ASTM D412, Rubber Properties in Tension.

.E ASTM D 570, Moisture Absorption.

.F ASTM D624, Test Method for Rubber Properties.

.G ASTM D2240, Rubber Property Durometer Hardness.

.H ASTM E648-03, Critical Radiant Flux.

.I ASTM F 1344-03, Standard Specification for Rubber Floor.

.J ASTM F 1859-03, Standard Specification for Rubber Sheet Floor covering Without Backing.

.K ASTM WK 463, Standard Specification for Resilient Sports Flooring.

1.03 SUBMITTALS

.A Submit samples in accordance with Section [] - [].

.B Submit duplicate 12 in. x 12 in. sample pieces of sheet material.

.C Submit Material Safety Data Sheets for installation adhesives, cleaners and sealers.

.D Submit layout drawing of flooring [rolls] [sheets] to [Owner] [Consultant] [Engineer] for review prior to starting any work.

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1.04 CLOSEOUT SUBMITTALS

- .A Provide maintenance data for resilient flooring for incorporation into manual specified in Section [] – [].

1.05 EXTRA MATERIALS

- .A Provide extra materials of resilient sheet flooring and adhesives in accordance with Section [] – [].
- .B Provide [] sq. ft., [%] of each [color], [pattern] and [type] of flooring material required for project for maintenance use.
- .C Extra materials to be in one piece and from same production run as installed materials.
- .E Clearly identify each type of sheet flooring and each container of adhesive.
- .F Deliver to [Owner] [Architect], upon completion of the work of this section.
- .G Store where directed by [Owner] [Architect].

1.06 DELIVERY, STORAGE AND HANDLING

- .A Deliver flooring materials undamaged with manufacturer's labels intact.
- .B Store flooring materials in a protected area on site a minimum of 24 hours prior to installation.
- .C Store rubber flooring materials flat, blocked off floor.
- .D Prevent damage or contamination to flooring materials from water, moisture, freezing, excessive heat, direct sunlight and construction dust or dirt.
- E. Protect flooring materials from construction activities. Provide tarpaulins or plastic coverings blocked to allow ventilation and prevent contamination from dust or debris.

1.07 ENVIRONMENTAL REQUIREMENTS

- .A Maintain air temperature and structural base temperature at flooring installation area above 60 degrees F and below 85 degrees F for 48 hours before, during and 72 hours after installation.
- .B Maintain a maximum relative humidity of 65% before, during and for 72 hours after installation.

1.08 WARRANTY

- .A Supply manufacturer's standard limited warranty against defects in materials or workmanship for [5 years for [Starlight] [Décor] Sport Floor] [2 years for Classic Mat Sport Floor] from date of purchase.
- .B Supply manufacturer's standard limited warranty against wear exceeding 1% per year when recommended installation and maintenance guidelines are followed.

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II Part Two - Products

2.01 SOURCE QUALITY CONTROL

A. Solid Colored Rubber Flooring Roll:

- .1 Wearing Surface: 1 mm. virgin rubber.
- .2 Size: 4' x 50'
- .3 Backing: 100% SBR black rubber with fabric finish bottom
- .4 Finish: Leather Finish non-slip.
- .6 Thickness: 6.5 mm and 8 mm.
- .7 Color:
 - .1 Solid: [Dark Grey] [Red] [Black] [Dark Blue] [Putty] [Plum] [color [indicated] [selected by [Engineer] [Consultant].
- .8 Material Properties:
 - .1 Shore Hardness: ASTM 2240, 80 (top) 70 (bot).
 - .2 Compression Set: ASTM D395, 9.93%.
 - .3 Taber Abrasion: ASTM C501, 126.3 mg/1000 (.697 g weight loss).
 - .4 Tensile Strength: ASTM D412, Top 1000 psi, Bottom 300 psi.
 - .5 Co-Efficient of Friction: ASTM C1028, 0.91 dry, 0.88 wet.
 - .6 Elongation at Break: ASTM D412, 203.3%
 - .7 Tear Resistance: ASTM D624, 87.8 lbs/in.
 - .8 Moisture Absorption: ASTM D570, 0.37%.
 - .9 Critical Radiant Flux: ASTM E648-03, 0.92.
 - .10 Static Load Limit: ASTM F970-00, .500 psi
 - .11 Optical Density of Smoke ASTM E662, PASS
- .9 Acceptable product: Morado as distributed by Centaur Floor Systems, 135 Chapala Street, Santa Barbara, CA 93101. Toll Free 1-800-536-9007. Phone 805-957-0182. Fax 805-957-0125.
E-mail info@centaurfloors.com

2.02 ACCESSORIES

- .A Bevelled Edging: Black rubber transition ramp edging as available from flooring manufacturer.
- .B Floor Filler: Cement based leveling compound. Acceptable product, Mapei Planipatch, Planipatch-Plus or acceptable substitution.
- .C Adhesive: Single component (for dry conditions) or 2-part, SportFLOOR Adhesive (for wet conditions), a solvent free urethane adhesive as recommended by manufacturer.

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III Part Three - Execution

3.01 SITE VERIFICATION OF CONDITIONS

- .A Examine floor areas to be covered and report any deficiencies to the Contractor. Do not proceed with installation until substrates and conditions comply with manufacturer's requirements for installation.
- .B Ensure floor substrate is clean and dry by using test methods recommended by flooring manufacturer.
- .C Ensure building area for flooring application is maintained at minimum 60 degrees F, maximum 85 degrees F and at maximum 65 % relative humidity for minimum 48 hours before installation, during installation and for minimum 72 hours after completion of work.

Spec Note: Select appropriate substrate preparation

3.02 WOOD FLOOR PREPARATION

- .A Ensure wood subfloor material is CDX exterior plywood installed smooth side up.
- .B Caulk all nail, staple or screw fasteners and seal with epoxy sealant.
- .C Acclimatize subfloor for minimum 48 hours before installation of flooring roll.
- .D Ensure subfloor is clean, dry and free of dust, dirt and any contaminants and previous floor finishes.
- .E Patch cracks, holes and rough or uneven areas with manufacturer's recommended cement based leveling compound.

3.03 CONCRETE FLOOR PREPARATION

- .A Ensure subfloor is smooth and level to a tolerance of 1/8 inch in 6 ft.
- .B Ensure concrete floors have cured for minimum 6 weeks.
- .C Perform moisture test recommended by flooring manufacturer on concrete floor.
 - .1 Poly File Test: Tape a sheet of plastic over a section of the concrete floor. Wait for 72 hours. Check for moisture droplets under the plastic sheet.
 - .2 Calcium Chloride Test: Perform quantitative test, maximum 3 lbs. Moisture emissions per 24 hours per 1000 sq. ft.
- .D Seal new concrete floors.
- .E Ensure existing concrete floors are clean, dry and smooth.
- .F Remove any wax, paint, varnish, adhesive or any other material that would prevent proper bonding of adhesive.
- .G Repair any low spots with a cementitious based latex patch mix.
- .H Seal concrete that is rough and porous.

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3.04 APPLICATION: FLOORING

- .A Apply adhesive uniformly using recommended trowel and application rate. Ensure a minimum 85% transfer from the floor to backing of flooring.
- .B Do not spread more adhesive than can be covered by flooring before initial set takes place.
- .C Lay out to produce a minimum number of seams. Border widths minimum 1/3 width of full material.
- .D Adjoin factory edge to factory edge of rolls. Install cut edge of rolls along walls or vertical surfaces.
- .E Ensure joints are tight. Eliminate joints opening up between rolls by taping together with masking tape.
- .F Rolls must be glued down and when installing, the edges and seams must be bricked (weighted down) until adhesive is cured to ensure proper bonding of flooring to sub-base.
- .G Lay rolls in small sections and roll with a 100 lb. sectional roller within 15 minutes of laying to ensure proper adhesive contact.
- .H Cut rolls neatly around fixed objects, and to fit irregular and fill-in spaces using a sharp utility knife. Make repeated passes when cutting to ensure straight cuts.
- ..I Continue flooring through areas to receive movable type partitions without interrupting floor pattern.
- .J Terminate flooring at centreline of door in openings where adjacent floor finish or colour is dissimilar.
- .K Install edge strips at unprotected or exposed edges where flooring terminates.
- .L Promptly clean adhesive from top surface of rolls using a soft cloth soaked in denatured alcohol.
- .M Prevent traffic on flooring for minimum 24 hours after installation.

3.05 CLEANING AND MAINTENANCE

- .A Initial Cleaning:
 - .1 Wait 48 hours after installation before proceeding with cleaning.
 - .2 Sweep rolls to remove all loose dirt and debris.
 - .3 Ensure petroleum based cleaners are not used.
 - .4 Alkaline floor finish stripper (if required) diluted 10:1 with clean water.
- .B Sealer (if required):

TASKI "Vision Matte" sealer for colored rubber flooring tile.

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.C Maintenance Cleaner: PH neutral cleaner.

TASKI "Profi" cleaner

.D Regular Cleaning:

.1 Clean flooring on a regular basis using a PH neutral cleaner.

3.06

PROTECTION

.A Protect new floors from [time of final set of adhesive] [after initial sealing] until final inspection.

.B Prohibit traffic on floor for 24 hours after installation.

.C Provide ventilation to installation area during installation and for minimum 72 hours after completion of work.

.D Do not wash flooring for minimum 14 days after completion of work.

END OF SECTION