

**SECTION 09/GUIDE SPECIFICATIONS FOR
ROBBINS Galaxy® Ultra FLOOR SYSTEM**

PART 1-GENERAL DESCRIPTION

1.01 DESCRIPTION

A. Scope

1. The complete installation of rubber flooring product as manufactured by Robbins, Inc., Cincinnati, OH, including adhesive and rubber flooring.

B. Related Work Specified Under Other Sections: (A cross reference should be incorporated in these sections.)

1. Substrate Buildup:

- a. Concrete for indoor installation..... Section 03300

2. Slab Depression:

- a. Depression shall be thickness of Galaxy Ultra material – 3/8”.

3. Slab Tolerance

- a. Slab tolerance is (+/-) 1/8" in radius of 10'. Surface steel troweled.
- b. **NO CURING AGENTS OR SEALERS ARE TO BE APPLIED TO THE CONCRETE SLAB.**

4. Membrane Waterproofing and Dampproofing..... Section 07100

- a. Concrete subfloors on or below grade shall be adequately waterproofed beneath and at the perimeter of the slab and on the earth side of below-grade walls.

5. Thresholds-Metal..... Section 08700

6. Game Standard Inserts..... Section 11500

1.02 QUALITY ASSURANCE

A. Floor System Manufacturer Qualifications

1. Manufacturer shall be an established firm experienced in field and have been in business for a minimum of ten (10) years; Robbins, Inc., or an approved equal.

B. Floor Contractor/Installer Qualifications

1. Flooring contractor shall be experienced in the flooring field and approved by manufacturer.
2. Flooring contractor shall be factory-approved and have completed at least three projects of similar magnitude and complexity.

1.03 SUBMITTALS

A. Manufacturer's Product Data: Submit three (3) copies **Galaxy Ultra** guide specifications.

B. Samples: Submit one (1) sample of **Galaxy Ultra** in color desired.

C. Maintenance Literature: Submit three (3) copies of **Galaxy Ultra** maintenance instructions.

1.04 DELIVERY, STORAGE

A. Delivery of Materials

1. Material shall not be delivered or installed until all masonry, painting, plastering, tile work, marble and terrazzo work are complete, and all overhead mechanical work, lighting, backstops, scoreboards are installed. Room temperature of at least 55 degrees Fahrenheit and moisture content of concrete slab of 3% or less.
2. Area where materials are to be stored should be maintained at 55 degrees Fahrenheit and under 50% relative humidity by the General Contractor.
3. Store **Galaxy Ultra** in a protected area on site a minimum of 48 hours prior to installation. (Extreme cold or hot climate may require additional time.)

1.05 JOB CONDITIONS

A. Schedule of Installation

1. Do not install floor system until concrete has been cured sixty (60) days, and the conditions in Paragraphs 1.01 and 1.04 are obtained.
2. Environmental temperatures must average a minimum of 65 degrees Fahrenheit for one full week preceding, throughout, and 72 hours following application.
3. Do not install **Galaxy Ultra Sport Surface** until all other trades are completed.
4. After **Galaxy Ultra Sport Surface** is installed and game lines are painted, area is to be locked by general contractor to allow curing time for the paint and adhesive. No other trades are to be allowed on floor until it is accepted in writing by owner or owner's authorized agent.

1.06 GUARANTEE

- A. Guarantee shall not cover damage caused in whole or in part by casualty, ordinary wear and tear, abuse, use for which material is not designed, faulty construction of the building, settlement of the building walls, failure of the other contractors to adhere to specifications, separation of the concrete slab and excessive dryness or excessive moisture from humidity, spillage, migration through the slab or wall, or any other source.
- B. Robbins, Inc. hereby warrants the **Galaxy Ultra Sport Surface** material to be free from manufacturing defects for a period of one (1) year. This warranty is in lieu of all other warranties, expressed or implied, including but not limited to any warranty of merchantability or fitness for a particular purpose, and of any other obligations on the part of Robbins. In the event of breach of any warranty, the liability of Robbins shall be limited to repairing or replacing **Galaxy Ultra Sport Surface** material and system components supplied by Robbins and proven to be defective in manufacture, and shall not include any other damages, either direct or consequential.

PART 2-PRODUCTS

2.01 MATERIALS

A. Galaxy Ultra Sport Surface

1. Wear Surface: 2mm (3/32 in) colored virgin blend rubber \pm 0.5mm (1/32 in).
2. Square Size: 900mm x 900mm (35.5 in x 35.5 in) \pm 0.5mm (1/32 in)

3. Interlocking Size: 864mm x 864mm (33.4 in x 33.4 in)
4. Backing: 40.87% natural/SBR rubber blend, 59.13% recycled rubber
5. Construction: two layer calendared and vulcanized rubber
6. Pattern: 10% Accent marbling
7. Finish: Acid etched texture
8. Thickness: 10mm (3/8 in) ± 0.2mm (1/64 in) tolerance
9. Material Properties

Shore Hardness	ASTM 2240	82 (top) 70 (bottom)
Co-Efficient of Friction	ASTM C1028	0.93 dry, 0.84 wet
Critical Radiant Flux	ASTM E648-03	0.92 watts/cm ² Class 1
Static Load Limit	ASTM F970-00	.005 @ 500 psi
Optical Density of Smoke	ASTM E662	< 450 PASS
VOC Compliance	ASTM D5116	Yes
Color Stability		Good
Light Reflection		Average
Chemical Resistance		Good

B. Adhesive

Robbins approved Adhesive. No substitutions. Use of any non-approved adhesive shall void warranty.

PART 3-EXECUTION

3.02 INSTALLATION

A. Galaxy Ultra rubber flooring.

1. Product should be dry laid and allowed to relax before cutting and fitting, 48 hours prior to installation
2. Mix two-component polyurethane adhesive according to manufacturer's instructions.
3. Lay flooring in a running bond (staggered) pattern with color accent marbling oriented in the same direction
4. Dry lay the entire floor including all cut trim prior to applying any adhesives, then view the floor under normal, occupied lighting conditions.
5. Lay tiles into fresh adhesive in small sections and roll with a 100lb sectional roller a minimum of 3 times in multiple directions within 15 minutes of laying to ensure proper adhesive transfer.
6. Suitable weight must be applied over every seam after taping and rolling is complete (DO NOT use duct tape or high grab masking tape)

B. Perimeter molding (Optional): Install a rubber base, anchored to walls with base cement.

C. Clean up all unused materials and debris and remove same from the premises. Dispose of empty containers in accordance with federal and local statutes.