

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

### **PART 1-GENERAL DESCRIPTION**

#### **1.01 DESCRIPTION**

##### **A. Scope**

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

##### **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 Classic 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 Classic** guide specifications.

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

C. Maintenance Literature: Submit three (3) copies of **Galaxy Classic** 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 completed, 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.

**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 Classic Sport Surface** until all other trades are completed.
4. After **Galaxy Classic 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 Classic 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 Classic 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 Classic Sport Surface**

1. Surface shall be rubber roll goods 3/8 inch thick, 4 feet wide, and 40 feet long. Material shall be comprised of rubber granules from recycled automobile tires (80%), and [insert color] colored EPDM rubber granules (20%), encapsulated in a zero-mercury polyurethane binder.
2. Typical physical properties of **Galaxy Classic**
  - Density PCF D3673 63
  - Shore A Hardness D2240 55
  - Compression & Recovery (%) C 5-15  
F36 (100 PSI 5-15) R85
  - Static Load Limit (PSI) 970-93 >4,000
  - Flexibility F147 0

• Co-efficient of Friction D2047-82 (Wet and Dry Avg)	1.20
• Tear Strength D624 (Die C Tear PPI)	75
• Compression Set B D395 (25% Defl., 158°F/22Hrs)	60
• Compression Endurance D623 (10,000 Cycles With 4-10 Ton Load)	NO DETERIORATION
• Abrasion Resistance C501 (Weight loss in GMS/KC) H18 Wheel, 500 GM Load	0.18
• Freeze Thaw (-40°C, 40° Cycles)	NO CHANGE
• Thermal Stability	-40°C to +90°C
• Accelerated Weathering (2500)	NO CHANGE
• NY Fire Gas Toxicity #09300 900 216 4006	YES

**B. Adhesive**

Galaxy Classic Tacly Adhesive. No substitutions. Use of any non-approved adhesive shall void warranty.

**PART 3-EXECUTION**

**3.02 INSTALLATION**

**A. Galaxy Classic rubber flooring.**

1. Product should be unrolled and allowed to relax before cutting and fitting, 12 to 24 hours.
2. Mix two-component polyurethane adhesive according to manufacturers instructions.
3. Unroll product into freshly applied adhesive. End seams should be overlapped and double cut. Edge seams should be factory edge. Overlap seams 1/8" and compression fit.
4. Roll the entire sport floor surface with a medium-size steel roller to remove entrapped air.  
Wipe away adhesive that oozes between seams with wood alcohol.

**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.