

PART 1 GENERAL

1.01 RELATED SECTIONS

Spec Note: List appropriate sections for related work specific to project
Refer to written manufacturer's installation manual for complete information on receiving, installing, and maintaining Edgewood Athletics Galaxy. Material not recommended for environments where the product will be exposed to animal fats, vegetable oils, or petroleum based materials.

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

1.02 REFERENCES

See section 2.01

1.03 SUBMITTALS

- .A Submit samples in accordance with Section [] - [].
- .B Submit duplicate 300mm x 300mm (12 in. x 12 in.) sample pieces of Galaxy material.
- .C Submit material safety data sheets for installation adhesives, cleaners and sealers.
- .D Submit layout drawing of flooring [rolls] [interlocking mats] to [Owner] [Consultant] [Engineer] for review prior to starting any work.

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 Galaxy 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.
- .D Clearly identify each type of Galaxy [roll] [interlocking mat] and each container of adhesive.
- .E Deliver to [Owner] [Architect], upon completion of the work of this section.
- .F Store where directed by [Owner] [Architect].

1.06 DELIVERY, STORAGE AND HANDLING

- .A Deliver Galaxy materials undamaged with manufacturer's labels intact.
- .B Store Galaxy materials in a protected area on site a minimum of 24 hours prior to installation. (Extreme

- cold or hot climate may require additional time.)
- .C Store Galaxy materials flat, blocked off floor in its original packaging.
 - .D Prevent damage or contamination to Galaxy materials from water, moisture, freezing, excessive heat, direct sunlight and construction dust or dirt.
 - .E Protect Galaxy materials from construction activities. Provide tarpaulins or plastic coverings blocked to allow ventilation and prevent contamination from dust or debris.
 - .F Inspect Galaxy materials for damage, color consistency and conformity to specification prior to installation, notify the appropriate authority of any imperfections or irregularities, and do not proceed with installation if irregularities exist.

1.07 ENVIRONMENTAL REQUIREMENTS

- .A Do not install when the moisture vapor emission rate (MVER) exceeds 2.27 kg per 92.9 m² (5 lbs per 1,000 sq.ft) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869)
- .B Do not install when the relative humidity of concrete slabs exceeds 75% (ASTM F2170)
- .C Use only when the substrate temperature is between 100C and 320C (500F and 900F), and when the ambient relative humidity is below 65%.

1.08 WARRANTY

- .A Supply manufacturer's standard limited warranty against defects in materials or workmanship for 5 years for Galaxy from date of purchase.
- .B Warranty is void if solvent based adhesive is used for the installation of Galaxy rolls.
- .C Warranty is void if damaged or irregular materials have been installed without prior notification and adjustments made by manufacturer.
- .E Warranty is void if material is used in ice arena player's benches, penalty boxes, excessive skate traffic areas or at pivot points.

PART 2 PRODUCTS

2.01 SOURCE QUALITY CONTROL

Spec Note: Select appropriate product(s) and/or option listed in brackets

- .A Speckled Colored Rubber Flooring:
 - .1 Wearing Surface: 100% recycled rubber with EPDM color granules throughout.
 - .2 Size: 1.2m x 7.6m (4' x 25') rolls or 900mm x 900mm (34.5" x 34.5") interlocking mat
 - .3 Color: [Deep Space Black] [Mars Red] [Earth Mixed] [Mercury Grey] [Neptune Blue] [Pluto Dk Grey] [Venus Green] [Sun Yellow] [Galaxy Light Black/Tan-Blue] [Galaxy Dark Black/Grey-Blue].
 - .4 Thickness: 9.5mm (3/8 in.) ± .020 in
 - .5 Texture: Smooth slip-resistant.
 - .6 Material Properties:

| | | |
|---|--------------------------------------|--|
| Shore Hardness | ASTM 2240 | 65 |
| Co-Efficient of Friction | ASTM C1028 | 1.02 dry, 0.86 wet |
| Tensile Strength lb/in² | ASTM D412-98a, die C @ 20 ipm | with grain 600, against grain 450 |
| Flexibility, 1/4" mandrel | ASTM F137 | Pass |
| Impact Insulation Class | ASTM E492 | 45 minimum |

| | | |
|------------------------------------|----------------------|-----------------------|
| Critical Radiant Flux | ASTM E648-03 | 0.08 watts/cm2 |
| Static Load Limit @ 400 psi | ASTM F-970-00 | .006 |
| Moisture Absorption | ASTM D570 | 2% |
| Color Stability | | UV Stable |

.8 Acceptable product: Edgewood Athletics Galaxy as manufactured for Edgewood Athletics 18120-109 Avenue NW, Edmonton AB, Canada T5S 2K2
Ph: 780.466.2084 Fax 780.468.9104 E-mail inquiries@edgewoodathletics.net

2.02 ACCESSORIES

- .A Beveled Edging: Black rubber or vinyl transition ramp edging as available from flooring manufacturer.
- .B Adhesive: Edgewood Athletics 2-part Urethane adhesive, solvent free as recommended by manufacturer. (Do not use solvent based adhesives)
See warranty regarding alternate adhesives.

PART 3 EXECUTION

3.01 SITE VERIFICATION OF CONDITIONS

- .A Installation of EA Galaxy rolls or interlocking mats should not begin until the work of all other trades has been completed, especially overhead trades.
- .B 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.
- .C Ensure floor substrate is clean and dry by using test methods recommended by flooring manufacturer.
- .D Ensure building area for flooring application is maintained at minimum 15°C (60°F), maximum 24°C (75°F) and at maximum 65 % relative humidity for minimum 48 hours before installation, during installation and for minimum 72 hours after completion of work.
- .E Flooring shall be dry laid and inspected by installer under normal, occupied lighting conditions, to ensure proper color and fit prior to final adhesive installation.
Spec Note: Select appropriate substrate preparation.

3.02 WOOD FLOOR PREPARATION

Prepare sub-floor in accordance with manufacturer's instructions in the printed installation manual.

3.03 CONCRETE FLOOR PREPARATION

Prepare sub-floor in accordance with manufacturer's instructions in the printed installation manual moisture tests must be taken on all concrete floors regardless of age and grade level.

1. Test shall be in accordance with ASTM F-1869 standard test method for measuring moisture vapor emission rate of concrete sub floor using Anhydrous Calcium Chloride.
2. One test should be conducted for every 92.9030m2 (1000 sqft) of flooring and the results not exceed 2.27 kg (5 lbs) per 92.9030m2 (1000 sqft) in 24 hours.

If test results exceed limitations or if hydrostatic pressure exists, the installation must not proceed until

the problem has been corrected or an approved vapor barrier underlayment is installed.

*If lightweight concrete has been used in construction do not use the F1869 test. Use ASTM F2170, the Relative-Humidity test, as an alternate in these cases.

*If poured-gypsum underlayment has been used, check with the underlayment manufacturer on how to test for dryness. Never use calcium chloride testing with gypsum underlayment.

3.04 APPLICATION: FLOORING

See manufacturer's printed installation procedures.

3.05 CLEANING AND MAINTENANCE

- .A Initial Cleaning: See manufacturer's printed installation procedures for instructions.
- Do not proceed with cleaning until 72 hours minimum after installation.
- .B Floor Finishing: Complete if required in project. A finish may alter the surface characteristic of the roll or interlocking mat. Apply floor finish for rubber flooring according to instructions and application rate recommended by manufacturer.
- .C Regular Cleaning: See manufacturer's printed installation procedures for regular cleaning instructions.

3.06 PROTECTION

- .A Protect and cover new floors from damage until final inspection.
- .B Prohibit traffic on floor for 48 hours after installation.
- .C Provide ventilation to installation area during installation and for minimum 72 hours after completion of work.

END OF SECTION

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