



matting / athletics / flooring

## GALAXY INSTALLATION

### SECTION I

#### INTRODUCTION

**Galaxy** is manufactured in a roll from 100% recycled rubber with 20% colored EPDM rubber chips, bound together with heat and a polyurethane binder. The slip-resistant durable sound insulating roll provides a porous, safe, resilient floor finish.

Available in a 7.6m (25') roll, which must be glued down, or in 900mm x 900mm (34.5" x 34.5") interlocking mats which can be loose laid.

Designed to be used in gyms, hotels, arenas, schools, ski resorts, military bases, fitness centers, community centers or residential buildings.

Manufactured of high quality materials and carefully inspected before shipment, however, a quality installation is the responsibility of the installer. The installer needs to verify the accuracy of the order, and materials need to be inspected for damage, defects and satisfactory color match prior to installation.

An authorized **Edgewood** distributor shall be notified of any damages, color differences, or product irregularities prior to installation and final adhesive application.

**Galaxy** is designed for interior or exterior installations and is not recommended for environments where the product will be exposed to oils or petroleum based materials.

### SECTION II

#### MATERIAL STORAGE & HANDLING

Receive rolls or mats in a careful manner to avoid any damage. Adhesives or surface preparation product containers shall be unbroken and labels intact until time of use. Prevent damage or contamination to materials by

water, moisture, freezing, excessive heat, foreign matter or other causes.

**Galaxy** will arrive on site rolled or flat on skids, and should be stored on site with adhesives, etc., for at least 48 hours prior to installation (extreme cold or hot conditions may require additional time). Rolls should be removed from pallets and any loading/shipping constraint pressures be removed in order to acclimatize to room conditions.

Caution is required on site, as under no circumstances should the rolls or mats be bent, folded, stepped on, or crushed, as this may destroy the material.

Work from all other trades, especially overhead trades, must be complete before installation can begin.

**Rubber materials are susceptible to dimensional changes due to temperature and climate conditions. It is vital that site conditions remain constant within the acceptable working range.**

### SECTION III

#### TOOLS & ACCESSORIES

##### a. Galaxy

**b. Adhesive** – recommended **MF Bond IT Adhesive** solvent free.

##### c. Tools:

- Sharp utility knife & spare blades
- Carpenter square & straight edge
- Measuring tape
- Chalk line (for layout)
- Markers (to indicate cut lines)
- Rubber gloves
- Safety glasses
- 2x4 and rubber mallet to align roll edges
- 1.6 x 1.6 x 1.6 mm (1/16" x 1/16" x 1/16") Square notch trowel
- 45 kg (100 lbs) minimum sectional roller
- 50mm (2") Seam holding tape (to secure seams)

- Concrete blocks for weighting down seams
- raft paper (to protect flooring from blocks)

## SECTION IV

### PREPARATION OF THE SUB-SURFACE

The installation of any resilient rubber flooring is only as good as the sub floor it is laid upon. This is especially true when the flooring is glued down. Rough and uneven sub floors can diminish the appearance, cause uneven top surfaces and shorten the life span of such flooring. We therefore recommend proper preparation of such sub floors as follows:

#### Wood Floors

- New wood sub-floors should be CDX exterior plywood installed smooth side up.
- All nails, staples or screw fasteners must be caulked and surface sealed with epoxy sealant.
- Plywood should be acclimatized for a 48-hour period prior to installation of flooring tile.
- All wood sub-floors must be clean and dry of all dust, dirt, and previous floor finishes.
- Patch cracks, holes, and rough or uneven areas with an appropriate cement based leveling compound (such as Mapei Planipatch, etc) to manufacturers' standards.

#### Concrete Floors

- Ensure sub-floor is smooth and level to a tolerance of 3.2mm (1/8 in) in 1.8m (6 ft).
- Ensure concrete floors have cured for minimum 6 weeks.
- Ensure existing concrete floors are clean, dry and smooth.
- Remove any wax, paint, varnish, adhesive or any other material that would prevent proper bonding of adhesive.
- Repair any low spots with a cementitious based latex patch mix.
- Fill and smooth any rough or porous concrete sub-base prior to installing flooring.

If concrete sealers (not recommended) have been applied, two-part solvent-free floor adhesive must be used.

#### Concrete Floors with Radiant Heating System

Floor surface temperature must not exceed 24°C (75°F) during normal operation.

### Acclimation and Dry Lay

- ***Acclimation/Dry Lay Checklist is required to be completed or warranty will be void.***
- A minimum of 48 – 72 hours before starting the installation.
  - Storage longer than 2 weeks will require a longer acclimation period.
  - Mats in the lower portion of the stack will compress to a greater degree than those in the upper portion.
  - A mat laid down in the morning hours at 0°C (32°F) would be a different size than a mat laid at 20°C (68°F) later in the day.
  - Acclimation should only begin once the sub-surface has reached a temperature between 14°C (57°F) and 23°C (72°F).
- Lay out all mats on the sub-surface in piles of 2 or less:
  - Be sure to mix mats from several different pallets to blend minor shade variations.
  - Allow them to acclimate until they have reached a consistent size.
    - Some products under certain conditions have shown expansion and contraction in size of up to 1/8" (3.2mm).
  - Inspect all mats for visible defects.
    - Ensure the defective product is identified prior to the start of the installation, notify Rep/Dealer immediately.
      - Labor will not be covered if any defective product is installed.
    - Scythe marks are inherent in the manufacturing of recycled rubber flooring products and are considered normal.
    - Certain lighting conditions can accentuate these marks and as such is not considered a product defect.

## SECTION V

### CUTTING GALAXY

**Use caution.** Galaxy can be cut with a utility knife using a straight edge or square as a guide. Round holes can be cut using a hole saw or fine tooth jigsaw.

To ensure tight seams at top surface, slightly bevel the cuts.

## SECTION VI

### INSTALLATION OF GALAXY

Before work commences, examine the areas to be covered and report any flaws or adverse conditions to the general contractor and/or architect. Do not proceed with installation of Galaxy until substrates and conditions comply with the requirements indicated in manufacturer's instructions.

**Room temperatures for installation must be maintained at a minimum 15°C (60°F) to a maximum 24°C (75°F) and a relative humidity 65% or less for at least 48 hours before installation. These conditions must be maintained 24 hours per day for the duration of the installation and for a minimum of 72 hours after installation is complete.**

#### INSTALLING ROLLS

- Locate the mid-point of the room and chalk a start line down the center of the room. Begin installation from the chalk line to the outside.
- All rolls should be unrolled in the same direction to ensure consistent pattern repetition.
- Roll end seams should be staggered from those of adjoining rows.
- Always cutback each side of the roll minimum 3/4" on a slight bevel to ensure a seamless fit.
- Dry lay the floor, then view the floor under normal, occupied lighting conditions.
- **It is the installer's responsibility to inspect the dry laid installation and notify the appropriate authority of any imperfections or irregularities prior to final adhesive installation.**
- **Galaxy** rolls must be glued down.
- Dry lay the first roll along the chalk line and make any required custom cuts to fit the floor.
- Beginning at the start chalk line, pull back half of the roll and spread adhesive on the floor. Lay **Galaxy** material back onto fresh adhesive, ensuring that it is correctly positioned to the start chalk line.
- Then pull back the other half of the roll, spread the adhesive, and re-lay this half onto fresh adhesive, ensuring that it remains straight and that no gaps or bubbles are present.
- **Galaxy** should be laid in small sections and rolled with a sectional roller in both directions within 15 minutes to ensure proper transfer of adhesive.
- Repeat the dry lay and adhesive spread procedure for adjoining rows, beginning at the edge of the previously laid adjoining roll, ensuring that seams are straight and tightly closed with no gaps or peaks.
- To ensure a tight fitting seam when butting one roll to another, overlap the seam by 3.175mm (1/8"). Working from one end, work the overlapping roll down into the seam. If a gap appears, lift the roll and overlap the seam to before the gap and repeat the process. If rippling appears on the far side of the overlapping roll, remove this by stretching the material by pulling or a kicking motion.
- Always ensure a tight fitting seam prior to applying adhesive. **Note: Under no circumstances should a seam adhesive or heat gun be used on the seams. All seams between adjoining rolls of Galaxy should be secured by using masking tape across the seam onto adjoining rolls. Typically 300 mm (12 in) long at typical 400 mm (16 in) centers.**
- After rolls are properly laid and secured with tape, the edges and seams must be bricked (sufficiently weighted down with blocks) until adhesive is cured, to ensure proper bonding of flooring to sub-base.
- The weight blocks must be put directly onto the seam in a continuous row, with Kraft paper as a protector sheet between rubber floor and weight blocks.

- No wood or other material should be used under the weight blocks to attempt to transfer load. 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.
- Flooring installed around any irregular or sloped surface (i.e., around drains), should be weighted with bricks to ensure proper bonding of flooring to adhesive.
- **Caution:** Any excess adhesive appearing on the top surface of **Galaxy** should be immediately wiped clean with a soft rag soaked in denatured alcohol.
- **Note:** Excess adhesive which is allowed to harden on the top surface is nearly impossible to remove without marring the **Galaxy** finish.
- Terminate flooring at centerline of door openings where adjacent floor finish or color is dissimilar. Install edge strips at unprotected or exposed edges where flooring terminates.
- Prevent traffic on flooring for minimum 24 hours after installation.
- Apply approved floor cleaner diluted RF HD Cleaner (Profi) with clean water, as per manufacturer's instruction, using a mop. While still wet, scrub floor using a rotary buffing machine equipped with a medium Scotch Brite® pad.
- Work in small areas of floor at a time. After scrubbing, remove wet residue using a wet-dry vacuum.
- Damp mop floor with clean water to rinse and repeat wet-dry vacuum.
- Repeat cleaning as required to remove any remaining mold release or sediment.
- Prohibit foot traffic on flooring until area is dry.

### Floor Cleaning and Floor Finish

- Recommended cleaner is RF HD Cleaner (Profi) or a similar product.
- Galaxy does not require an applied finish, however, if a finish is desired we suggest RF Conditioner/Maintainer (Wiwax) or a similar product.
- An applied finish may alter the surface characteristic of the floor.

## SECTION VII

### GENERAL CLEANING & MAINTENANCE ROUTINE MAINTENANCE EXTENDS LIFE AND ENHANCES APPEARANCE.

**Galaxy must not be cleaned with any petroleum based cleaners. If any petroleum fuels are spilled on the matting, it should be removed immediately to avoid damage to the matting and voiding of warranty.**

#### Initial Cleaning after installation

- For glued down rolls wait 72 hours minimum after installation before proceeding with floor maintenance.
- For interlocking mats, initial cleaning can be performed immediately after installation.
- Sweep and vacuum floor to remove all loose dirt and debris.

### Regular Maintenance

**Galaxy** may be cleaned at any time using a damp mop with a PH neutral cleaner diluted with water, and follow immediately to extract any moisture.

### Precautions

Galaxy must not be cleaned with any petroleum based cleaners. If any petroleum product is spilled on the matting, it should be removed immediately to avoid damage to the matting and voiding of warranty.

## SECTION VIII

### DISCLAIMER

- This manual has been prepared to assist purchasers and installers of **Galaxy** Recreational Flooring in the recommended installation procedure. It is a

guideline which may be used to produce an effective finished installation and should be reviewed in the context of the installation site(s).

- **Edgewood Athletics**, does not warrant any installation work not directly performed by **Edgewood Athletics**, and specifically disclaims liability for any direct or indirect personal injury, property damage or other costs or losses resulting from installations or applications by third parties. Please see the
- **Edgewood Athletics**, Limited Warranty for the particulars of warranty coverage relating to **Edgewood Athletics**, products.
- **Galaxy** is not to be used for any purpose other than resilient recreational flooring.
- **Galaxy** must only be used in accordance with the manufacturer's published specifications.