

Installation Guidelines

For



Performance Fitness Flooring

Interlocking



This product has been certified by SCS to meet the rigorous indoor air quality requirements of the FloorScore® certification program.

The following pages are guidelines, if not followed, warranty will be voided. Please read this manual thoroughly before installing Rubber King products.

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SECTION I – GENERAL INFORMATION

- This installation method and mat format is a must for all areas in extreme temperature and humidity change, or where surface moisture may be present after installation, i.e. ice arenas, locker rooms and entry ways.
- Product Information:
 - Thickness tolerance of $\pm 0.5\text{mm}$
 - Dimensions: $18\ 7/8'' \times 18\ 7/8'' = 29.69\ \text{ft}^2$ (47.9cm x 47.9cm) Dimension tolerance of $1/8''$ (3.2mm)
 - 10 pieces

SECTION II – MATERIAL STORAGE & HANDLING

General Information:

- These Rubber King products are packaged with 10 pieces wrapped in plastic wrap



Receipt of Merchandise:

- It is recommended you double-check your order is correct.
- Inspect for any damage that may have occurred during transportation.
- Identify any other possible shortcomings.
- For your own protection, ensure that defective product is identified prior to the start of the installation.
 - Notify your sales rep regarding any defective product immediately.
- Rubber King is not responsible for any installation costs that occur because of defective product being installed.

Storage

- Store product in a dry and clean area.

SECTION III – TOOLS & ACCESSORIES

Tools and Safety Equipment

- Rubber King Installation Guidelines
- Safety glasses
- Rubber gloves and boots
- Heavy duty utility knife
- Measuring tape
- Transit level and straight edge
- Chalk snap-line
- Carpenter's square
- Putty knife
- Masonite board, plywood or kraft paper

SECTION IV –SUB-SURFACE

Preparation of the Sub-surface

- The sub-surface must be flat/smooth, clean and dry, structurally sound and all debris including old adhesive must be removed.
 - Scraping may be required to remove debris.
- Particleboard, chipboard, Masonite and Lauan Plywood are not considered suitable underlayment.
- If installing on an incline surface, start at the bottom and move up the surface to avoid sliding of the mats.
- Debris left under mats will cause height variations, telegraphing and undulations.

Concrete Sub-Surface

- New concrete sub-floors must be thoroughly cured and free from hydrostatic pressure (a minimum of 30 days after pour).
- Concrete substrates should not exceed 90% RH and/or 5lbs x 24-hours x 1000 sq. ft.
- It is essential that pH tests be taken on all concrete floors. This must range between 7 and 9. If it does not, the sub-floor must be neutralized prior to the beginning of the installation. **These tests must be documented.**
- Moisture vapor emissions test in accordance to ASTM F1869 and relative humidity in concrete test in accordance to ASTM F2170 must be completed.
- Sub-surface must be smooth and level to a tolerance not exceeding 1/8" in 10 lineal feet.
 - The Concrete Surface Profile (CSP) must achieve a requirement of CSP2.
- If existing concrete is too rough, or does not meet the above criteria, apply a Portland cement based leveling compound to smooth and level the surface. Follow all leveling compound manufacturer's instructions.
- Warranty is not applicable if specified moisture ranges are not adhered to.

Wood Sub-Surface

- Wood sub-surface must be sealed for installation to be completed.
- Wood sub-surface must be a minimum of 1" thickness, and free from any flex movement. (5/8" on joists with a 3/8" overlay is acceptable).
- New plywood should be acclimatized for a 48-hour period prior to installation of the rubber flooring.
- CDX exterior smooth one side is suggested for new wood substrates.
- Secure all nails and screws to prevent future protrusion.
- Any cracks, holes, rough or uneven areas should be patched with a polymer-modified cement leveling compound and/or sanded to achieve a smooth surface.
- It is vital that a moisture test be completed prior to installation with records kept. No less than 20 spot checks per 1000 sq. ft. should be observed. Any readings higher than 13% are not acceptable and installation must wait until levels are at or under 13%.
- Warranty is not applicable if specified moisture ranges are not adhered to.

SECTION V – PRE-INSTALLATION

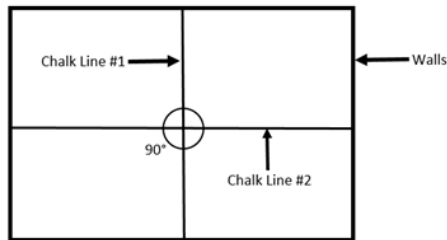
General Information

- Prior to installing Rubber King Products, ensure all other trades have completed their work schedules.
- The use of Masonite board, plywood or kraft paper should be used to protect the rubber flooring from damage and debris.
- Product and sub-floor must be of the same temperature. This should be checked using an infrared digital thermometer.
- Rubber King is not responsible for any product failure if proper floor preparation and/or installation procedures are not followed.
- Check ambient temperature:
- All HVAC systems must be fully operational 24-hours prior to beginning the acclimation process.
- Rubber flooring may be installed between temperatures of 14°C (57°F) and 23°C (72°F).
 - Room temperature must be consistent during the entire installation.
 - Large fluctuations in temperature or humidity will cause expansion or contraction.
- In-floor radiant heat should be shut off for 24-hours prior to acclimation, be shut off throughout installation and remain off for 48-hours after installation is complete.

Chalk Lines

- Locate the midpoint of the room, chalk a start line down the center. Chalk another similar start line 90° to the first one. (Figure 1)

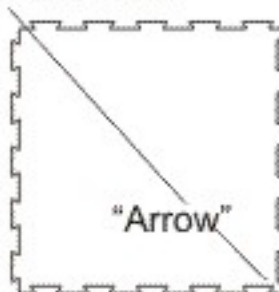
Figure 1



Mat Layout

- Each mat is designed with an arrow indicating the direction each mat should be installed
 - Install mats same side up as received, **Do Not Flip Over**

All "arrows" must point in the same direction.



- The installer should have all relevant information about the mat arrangement from the owner.
- Begin mat layout from the point where the two chalk lines intersect.
- Work outwards in both directions.
- Start second row on either side of the center line towards the chalk line.

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.
 - 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 packages 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).
 - Check for any shading or uneven color distribution.
 - This is **not** considered to be a product defect.
 - 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.

Cutting

- Lay mat on a flat surface, hold the metal straight edge on the cut line, and cut with sharp utility knife.
- Keep scoring the cut until separated.
- Change or snap off blades frequently to ensure clean cuts.
- For odd angles, circular patterns, etc. a cardboard template is suggested.
- Join factory edges together. Hand cut edges should be used against the perimeter walls only.

SECTION VI-INSTALLATION

Installation Information

- **Do not install** mats if the appropriate thickness and dimensions have not been reached.
- Intended for indoor use only and should not be installed in areas where the temperature is inconsistent.
- For a multistage install on larger projects, any unretained edges will need to be anchored with double sided tape until the installation resumes.
 - Failing to secure the open edges will result in shifting of the surface and gaps between the tiles.
- Any perimeter tile will need to be cut to fit against the wall, allow a ¼” inch around the perimeter for expansion and contraction.
- Create a finish straight edge by removing all interlocking tabs along the outside edge. (See Cutting section for directions)
- Make sure all tiles must be laid with the arrow pointing in the same direction.

VII – CLEANING

Post Installation Cleaning

- When installation is complete
 - Sweep or vacuum floor to remove any debris, then dust mop thoroughly to remove all surface dust and dirt using a dust mop or microfiber mop.
 - Use a neutral PH Cleaner. (see dilution rates on label).
 - Do not use any oil base cleaners as they will deteriorate the mats.
 - Damp mop with a microfiber mop.
 - Use a two-bucket system and change the water frequently.
 - If floor has an excessive amount of dirt or dust present, additional cleaning with a lightweight auto scrubber may be required.
 - An RPM of 185 and brush pressure between 35 and 85lbs are recommended.
 - If disc type equipment is used, be sure to use a soft nylon brush, not a pad.
 - Do not flood floor.
 - Allow to dry thoroughly.

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