General Information
This product must be installed by professional installers that have sufficient professional liability insurance coverage (aka Errors and Omissions Insurance) for the project.

Mats Inc. recommends installing and maintaining entrance matting at all outdoor entrances; this will improve air quality, reduce maintenance costs, and lengthen the life of your floors.

Proper glides must be used on all furniture that may slide directly across the floor, consult the furniture manufacturer for recommendations for use on resilient flooring. Heavy objects must not be moved directly across the floor; use protective boards.

Direct sunlight can cause UV damage (fading or bleaching) to most interior finishes, so Low E glass should be selected that will reduce the UV transmission to less than 1%. If not, applying 3M™ protection film (or similar) on the windows is recommended.

Do not install any material that has visible defects or damage. A contractor that installs any material that has visible defects or damage assumes responsibility for the damaged material.

All Safety Data Sheets (SDS) and Installation, Maintenance and Warranty requirements must be read, understood and followed.

These instructions supersede any verbal or written instructions from Mats Inc. representatives and must be followed in order for the limited warranty to be in effect.

Technical Data

<table>
<thead>
<tr>
<th>Roll size</th>
<th>3-ft. wide by 30-ft. long, 90 ft² or 4-ft. wide by 30-ft. long, 120 ft²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>~ 3/8-inch (2.5 mm)</td>
</tr>
<tr>
<td>Composition</td>
<td>UV stable heat welded flexible extruded PVC drop through entrance grille with an etched textured surface and solid vinyl backing</td>
</tr>
<tr>
<td>Weight</td>
<td>1.35 lbs. per ft²</td>
</tr>
<tr>
<td>Limited warranty</td>
<td>4 years</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performance</th>
<th>Test Method</th>
<th>Requirement</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>ASTM E648</td>
<td>&gt; 0.45 w/cm² for Class 1</td>
<td>Class 1</td>
</tr>
<tr>
<td>Smoke density</td>
<td>ASTM E662</td>
<td>≤ 450</td>
<td>≤ 450</td>
</tr>
<tr>
<td>Slip resistance</td>
<td>ASTM C1028</td>
<td>None</td>
<td>0.66 dry and 0.55 wet</td>
</tr>
<tr>
<td>Rolling load limit</td>
<td>None</td>
<td>None</td>
<td>1,200 lbs. per wheel</td>
</tr>
<tr>
<td>Abrasion resistance</td>
<td>ASTM D3384</td>
<td>None</td>
<td>4%</td>
</tr>
</tbody>
</table>

Sustainability
Soft Grid™ is made from Reach compliant vinyl.
LEED v4
Many finishing products have the potential to contribute points to LEED v4. However, the credits can only be gained when calculating the combined performance of all the products used on a particular LEED project; therefore no single product can guarantee you will obtain LEED v4 credits. Soft Grid™ may contribute to the following LEED credits (points), the following is based on LEED NCv4:

v4 MRp2: Material and Resources – Construction & demolition waste management planning:
Made from recyclable material and / or is a reusable product, reducing waste in landfills.

v4 MRc1: Material and Resources – Building life-cycle impact reduction:
Option 3. Building and material reuse. This product can be reused or salvaged from off-site or on-site as a percentage of the surface area. Note: Materials contributing toward this credit may not contribute toward MRc3.

v4 MRc3: Material and Resources – Building product disclosure and optimization, sourcing of raw materials:
Option 2. Sourcing of raw materials. Materials reuse. Reuse includes salvaged, refurbished, or reused products.
Option 2. Sourcing of raw materials. Recycled content. Recycled content is 100% for black and 32% for gray preconsumer.

v4 EQc1: Indoor Environmental Quality – Enhanced indoor air quality strategies:
Option 1. Enhanced IAQ strategies. Installed with at least 10 feet (3 meters) in length in the primary direction and maintained on a weekly basis.

Subfloor Preparation
Document every process of the testing, preparation and installation with video or photographs.

Warning
The Occupational Safety and Health Administration (OSHA) has exposure limits for people exposed to respirable crystalline silica; these limits must be followed. All local, state and federal regulations must be followed; this includes but is not limited to the removal of in-place asbestos containing material. Do not install over a chemically abated subfloor, contact the technical department first.

Concrete Subfloors
Unless stated otherwise, follow the requirements of ASTM F710. If the subfloor has standing water, hydrostatic pressure, ASR, or if a chemical adhesive remover has been used, do not install; contact the Technical Department.

The substrate must also be smooth (ridge-free) with a flatness tolerance of ≤ 3/16-inch over 10-foot maximum plane variation and if required, smooth using a commercial grade (≥ 3000 psi.) suitable leveling underlayment or skim coat with a suitable patching compound. Follow the manufacturer’s written instructions and limitations which must also meet the moisture requirements / test results for the project and allow it to fully cure / dry before proceeding.

Joints & Cracks
Do not install over any expansion or moving joints as any subfloor movement may cause installation failure. Use a suitable industry standard expansion joint assembly system, as required.

All Other Subfloors
For all other subfloor/substrates, please contact the Technical Department before proceeding.

Storage, Conditions & Acclimatization
Storage
Rolls may be shipped laying down. If shipped in this manner, place them in an upright position on a clean, flat, solid surface in an interior, climate controlled space. The area must be secure and fully enclosed from the weather. Never store the rolls laying down or outdoor.

Caution should be used in the moving and lifting of rolls. Allow for appropriate equipment and manpower to safely move materials. Work safe and always follow the relevant safety procedures.

Conditions
The conditions of the project and on-site storage area must be at a constant (± 5°F) service temperature, that is also between 68°F and 80°F with ambient relative humidity between 35% - 65% for at least 24 hours before acclimatization begins. The substrate must also be at least 5°F above the dew point.

Acclimatization
24 hours prior to the installation, measure, cut and lay out the material on the subfloor under normal service conditions in the configuration required for installation. Allow an extra 2 inches for final trimming. This step will ensure the material acclimates to the climate properly. Reverse rolling the product is recommended to reduce the roll memory of the product.

Windows etc. where sunlight may shine onto the subfloor, must be covered for 2 hours prior, during, and for 72 hours after installation using blinds, cardboard or similar.

Installation Instructions
Required Tools
Frames: hammer – chop saw (metal blade) or hacksaw – suitable hammer drill (SDS) – caulking gun – screw-driver.

Layout
Follow the detailed layout drawings provided or agreed upon by the designer, architect or end user. Follow the detailed layout drawing provided or agreed upon by the architect, designer or end user.

The main traffic should run across the seams which should be positioned away from all pivoting areas and doorways.

Frames
ADA compliant frames must be used where appropriate. These must be cut accurately (per the layout drawing) using a suitable chop saw or hacksaw with a metal cutting blade. In addition, they may require extra pre-drilled countersunk holes to ensure that one is within three inches of each end if it will be subjected to any rolling traffic like carts.

Mark and drill precise holes using a minimum of 2.5-inch deep, using a 3/16-inch concrete drill bit and suitable drill (SDS is recommended). The frames must be adhered to the substrate as well using Liquid Nails (or similar) applied using a standard caulking gun. Apply enough to guarantee good contact between each screw, without it being able to ooze out (about the size of a quarter). Position the frames correctly and use the TAPPER+™ screws supplied to secure the frames properly to the clean and dust free substrate.

Installation
Soft Grid™ is designed to be loose-laid on the substrate. First, ensure the area is clean and dust free using a Hepa filtered vacuum.

Using a straight edge and sharp utility knife, make the necessary cuts and dry fit the cuts into place. Trim both of the edges to ensure pattern matching and even spacing of the seams and allow extra material for tucking under the pre-installed Frames.

Finish Installation
Clean up all debris, take photographs and if required, protect the flooring from traffic and have the end user or representative sign a “Job Completion Ticket”.

Maintenance Instructions
Precautions
Always post “wet floor” signs and/or “caution tape” when wet maintenance is going to be performed. Follow facility’s Standard Operating Procedures (SOP).

Chewing Gum Removal
Remove chewing gum with a gum removing spotter. If a solvent is used for removing gum, immediately rinse the floor with clean water and allow to dry.

Ice Melt Remover
To prevent the Ice Melt build-up, vacuum several times a day while the matting is exposed to it. When required remove the ice melt residue with a 50/50 white vinegar and water solution or use a branded ice melt remover solution. Then perform a “Periodic Cleaning” when the weather improves.

Daily Cleaning
Best performed while the matting is dry, vacuum clean using a commercial brush vacuum cleaner as often as required. If stone or salt particles are embedded between the surface ribs, remove using a blunt instrument such as a screwdriver or similar device.

Periodic Cleaning
Clean periodically as required, depending on the traffic density and level of soiling.

Carefully lift and remove or fold back to expose half the area of each section. Start from the center of the installation and use a blunt instrument (screwdriver or similar tool) to lift the sections of the mat. Important: do not overstretch the sections of the matting during removal.

Roll up and tag each section to identify its location and orientation in the mat recess.

Vacuum the recess thoroughly, ensuring all stones or grit particles are removed from the recess and especially around the frames. The aluminum edging/framing may be cleaned with soap and water and allowed to air dry.

Replace the matting sections as originally laid, working from the edges to the center of the installation. When installing the sections at the edge of the frame, be sure to slide them under the frame lips.

Limited Warranty
Mats Inc. ("SELLER") warrants that Soft Grid™ (the “Product”) sold to the first end user ("END USER") will be free of manufacturing defects in materials provided that Product is stored, installed, and maintained strictly in accordance with the SELLER’s instructions for a period as provided in Section IV of this Limited Warranty.

Receipt and installation of the Product constitutes acceptance of this Limited Warranty and all of its terms, conditions, limitations, and disclaimers. This Limited Warranty applies only to installations sold to the first END USER of the Product and becomes void on the transfer or sale of the Product or the use of the Product by any party other than END USER.

I. Installation and Maintenance Requirements
This Limited Warranty applies only if:
The Limited Warranty of the Product, and any implied warranties provided to END USER by state law not otherwise excluded or disclaimed in this Limited Warranty, apply for four (4) years, starting from the date of shipment of the Product from SELLER’s manufacturing or distribution facilities, including motor drive or other means of transportation.

Exclusions from Warranty
This Limited Warranty does not apply to Product which has been discontinued or to a particular color or design which has been discontinued at the time of sale or to Product sold as seconds or B-grade.

The following is not included under this Limited Warranty:
1. Color deviations as compared to physical, printed, and/or electronic representations of the Product;
2. Damage caused by improper storage and handling of the Product;
3. Product delivered damaged unless the SELLER is notified as soon as the Product is received;
4. Misuse or abuse of the Product;
5. Damage or Product failure as a result of either improper subfloor preparation, installation or maintenance;
6. Damaged caused by exposure to petroleum distillants (solvents, chlorine, acidic chemicals) car tires, alcohol, keystones, Sharpies, markers or paints, asphalt and bitumen materials, wet cardboard or hardboard, fire treatment and maintenance materials transferred from carpets that may cause staining, dyes or printing from packaging, prolonged contact with rubber mats or rubber backed carpets, rubber furniture rests or wheels and shoe soles not made from non-staining materials or industrial and pine oils or industrial oils;
7. Excessive wear from the presence of sand and/or grit on the installed material;
8. Damage caused by misuse, unreasonable use, abuse and/or negligence, including any indentation to the Product from spiked heels or any heavy object in excess of the published load limit;
9. Labor costs for removing and/or re-installing replacement and associated freight costs are not covered under this warranty.

Limitations on Warranty
This Limited Warranty is provided by SELLER, and it contains the only express warranty provided to END USER by SELLER. SELLER does not authorize any other person to give any other warranties on SELLER’s behalf.

SELLER disclaims any express warranty not provided herein and any implied warranty, guarantee or representation as to performance, quality and absence of hidden defects, and any remedy for breach of contract, which but for this provision, might arise by implication, operation of law, custom of trade or course of dealing, including implied warranties of merchantability and fitness for a particular purpose. SELLER further disclaims any responsibility for losses, expenses, and inconveniences, special, indirect, secondary or consequential, incidental, and contingent damages whatsoever, including damages arising from ownership or use of the product.

Implied warranties in jurisdictions where they may not be disclaimed shall be in effect only for the duration of the express warranty set forth herein. If END USER has a claim under this Limited Warranty or under any implied warranties provided to END USER by state law, END USER may not file a court action based on that claim any later than one (1) year after END USER’s right to file a court action accrues. In those states which do not allow this limitation on the time period for filing a court action, this provision is inapplicable.

SELLER’s Liability
SELLER’s liability with respect to the Product sold to END USER shall be limited to the warranty provided herein. SELLER shall not be subject to any other obligations or liabilities, whether arising out of breach of contract, warranty, tort (including negligence and strict liability) or other theories of law, with respect to products sold or services rendered by SELLER, or any undertaking, acts or omissions relating thereto.

Without limiting the foregoing, SELLER specifically disclaims any liability for property or personal injury damages, penalties, special or punitive damages, damages for lost profits or revenues, services, downtime, shut down or slow down costs, or for any other types of economic loss, and for claims of END USER’s customers or any third party for any such damages. SELLER shall not be liable for and disclaims all consequential, incidental and contingent damages whatsoever.

Miscellaneous
Any description of the Product, whether in writing or made orally by SELLER or SELLER's agents, specifications, samples, models, bulletins, drawings, diagrams or similar materials used in connection with END USER's order, are for the sole purpose of identifying the Product and shall not be construed as an express warranty. Any suggestions by SELLER or SELLER's agents regarding use, application, or suitability of the Product shall not be construed as an express warranty unless confirmed in writing by SELLER to be such.

Related Documents
ASTM C1028 Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method
ASTM D3384 Abrasion Resistance of Textile Fabrics (Tabor Abrader)
ASTM E662 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials
ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring

ASTM documents are available from www.astm.org