



LIFE TM FLOOR

Owner's Manual

Congratulations on your new Life Floor!

In this manual you will find more information regarding the benefits of Life Floor, including cleaning processes, tile maintenance, and tile replacement. If you are unsure of any detail we have described in this manual, or if you have any further questions, please contact our flooring experts at solutions@lifefloor.com.

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Protecting Life Floor

Life Floor manufacturing by MNY Group, LLC offers numerous advantages and safety benefits not available in any other pool flooring materials or systems. The purpose of this document is to provide information about Life Floor maintenance and limitations. Failure to follow these guidelines may result in damaged Life Floor tiles and a voiding of the Life Floor warranty.

Routine Maintenance

Areas exposed to only barefoot traffic can be cleaned on an as-needed basis with Life Floor Easy Maintenance Cleaners. For areas exposed to shoe traffic, Life Floor should be cleaned at least once a week. A standard cleaning schedule can be found in the Cleaning Guide. When cleaning Life Floor, use a cotton mop, cloth, sponge, a light or medium scrubbing machine with vacuum recovery, or non-metallic brushes. Stiff brushes or brushes that contain abrasives may damage Life Floor. Do not use metal brushes or grit-coated, aggressive brushes of any kind on the tile surface.

Cleaning Solutions

While most floor cleaners are acceptable to clean the surface of Life Floor tile, we recommend Life Floor Easy Maintenance Cleaners. Effective alternatives include bacteria killing agents such as hydrogen peroxide, bleach, ammonia or citrus. Do not use any type of sealer or wax product, as these will coat the tile surface with a slippery residue.

Preventative Maintenance

Life Floor tiles are durable and designed to withstand high volumes of barefoot traffic. However, Life Floor tiles may be scratched or cut by sharp, heavy, or abrasive objects. Should a tile become damaged, replacement is generally easy, but force will be required to remove an adhered tile. We recommend the use of plastic or natural bristle scrub brushes to clean the tile surfaces. We also recommend the use of plastic or wood furniture instead of heavy, metal furniture. Deck furniture should have wide and flat feet, or broad furniture coasters secured to the bottom of deck furniture feet. If mechanical lifts or heavy objects are to be transported or placed on top of Life Floor, it may be necessary to protect the deck surface with plywood or Masonite. Do not allow burning or extremely hot objects to come in contact with Life Floor tile. To help remind your guests about acceptable footwear and use of Life Floor, we have created signs that you may purchase upon request.

Non-Warrantable Conditions

3/8" Life Floor tiles in normal traffic conditions are warranted for five years (For further details, see terms and conditions of sale). The following is a non-exhaustive list of conditions for which Life Floor tiles are not warranted: high heel damage, contact with sharp objects such as knives, scissors, metal edges, contact with hot objects such as, sparks, cigarettes, hot liquids, contact with heavy machinery, and/or prolonged contact with hazardous chemicals e.g., solvents or acids.

Cleaning Life Floor

Frequently Asked Questions

How often do I need to clean Life floor?

If an area is exposed to shoe traffic, Life Floor should be cleaned on a weekly basis. If an area has only barefoot traffic (splash pads, spray parks) we recommend cleaning Life Floor on an as-needed basis. Areas with constant water flow will require less cleaning. We generally recommend using Mineral Deposit Remover once per season. In some cases, excessive use of aerosol sunscreen may need to be removed with Degreaser Cleaner on a weekly basis.

How often do I use each Life Floor Easy Maintenance Cleaner?

This also depends on the application. Each cleaner provides a different cleaning solution. We generally recommend using Degreaser Cleaner on a weekly basis to remove dirt and oil, but should be used on an as-needed basis for barefoot only areas. Peroxide Cleaner and Mineral Deposit Remover may be used on an as-needed basis.

How do I clean in between the tiles?

We recommend using our Easy Maintenance Cleaners and following the three step cleaning process of Apply-Agitate-Recover. Cleaning between the tiles is best accomplished with a pressure washer and wet vacuum.

What is the white film on the tiles and how do I clean it?

Mineral deposits can appear as a white film or even a crusty yellow coating. If mineral deposits are identified and addressed early, they are easily removed with the Mineral Deposit Remover. When using the MDR, prepare a solution of equal parts cleaner and water in a squeeze bottle. Do not use any type of mister, pump sprayer, or any other tool that will aerosolize the cleaning solution. Spray the cleaning solution on the affected area and begin agitating immediately with a deck brush to help separate the deposits from the tiles. Do not allow the cleaner to dry on the floor. Rinse the area thoroughly and begin recovery. A wet vacuum is the most effective recovery method, as vacuuming will also pull dirt and water from between the tiles. If you do not have access to a wet vacuum, use a hose to rinse the area and a foam blade squeegee to push dirty water into a nearby drain. We recommend you follow up any MDR treatment with our Degreaser Cleaner to remove any lingering films or residue. **For stubborn mineral deposits**, you may increase the concentration of MDR to 100%.

An area of my floor seems dirty, how do I decide which cleaner to use?

If you see an area you think may be a mineral build up, put a few drops of MDR on the area. If it begins to fizz and foam, prepare to clean the area using the MDR; if it does not react at all, then test out the Degreaser and Peroxide Cleaners in the same way to see which cleaning solution is best suited for cleaning the area.

Can Life Floor be permanently stained?

To date, we have not found a chemical that permanently stains Life Floor. However, Life Floor may become discolored if extremely harsh chemicals such as muriatic are allowed to sit on the tile for an extended period of time.

Are there any chemicals I should avoid using on Life Floor?

Avoid chemicals such as paint, trichloroethylene, and muriatic acid. While Life Floor is chemical resistant, solvents may attack the adhesive beneath the tiles. When using solvents to remove stains, avoid flooding butt joints with the chemicals listed above. If solvents do soak into the butt joints, clean the area with our Degreaser Cleaner and use vacuum recovery. Solvents to avoid for contact cement: all solvents, including mineral spirits and gasoline.

How do I remove gum from Life Floor?

First apply ice to harden the gum. Once the gum is hard, carefully lift it away with a putty knife or similar scraper. Use caution, as Life Floor can be damaged by aggressive scraping. Any remaining gum residue can be removed by applying WD-40 with a rag.

What is the best cleaning strategy for my Life Floor application?

Cleaning processes and schedules are dependent on many factors including but not limited to: the type of application, amount of daily foot and shoe traffic, local water quality, pool chemistry, and exposure to food and sunscreen. You may adjust the cleaning schedule below based on the characteristics of your facility.

Recommended Cleaners

We offer a full line of cleaning supplies that are designed specifically for Life Floor tiles. Our Life Floor suite of cleaners includes our Peroxide Cleaner, Degreaser Cleaner, and Mineral Deposit Remover.



Peroxide Cleaner

A multi-purpose cleaner that removes dirt, grime, and all types of organic matter.



Degreaser Cleaner

Our Degreaser Cleaner removes oil and grease stains from food, feet and sunscreen.



Mineral Deposit Remover

This cleaner effectively removes calcium, rust stains, lime, magnesium, and aluminum oxide.

Each application will require the use of different cleaners. Bathrooms, showers, and locker rooms need to be cleaned more frequently with Peroxide Cleaner. Mineral Deposit Remover should be used on any application where deposits are visible. Areas exposed to heavy foot and shoe traffic, food, and sunscreen should be cleaned regularly with Degreaser Cleaner.

The Life Floor cleaning process has three easy steps:

Apply-Agitate-Recover

Applying the Cleaners

Apply the cleaner with a mop, pump-up sprayer, or spray-foamer (Mineral Deposit Remover should not be sprayed). If you are using an auto scrubber, make the first pass with the vacuum turned off. After applying the cleaner, let the cleaner sit for 2-10 minutes on the surface. Do not allow the cleaner to dry; mist with water if cleaner does start to dry.

Agitating the Cleaners

After the cleaner has had time to break down and loosen any dirt and oils, scrub or pressure wash the floor. A variety of brushes work well. We recommend manual brushes or powered brushes in a floor machine. Use caution when using powered brushes of any type. Life Floor may be damaged if brushes are too stiff or if the floor is dry.

Recovering the Cleaners

Begin recovery immediately after agitating the cleaners. A wet vacuum is the most effective recovery method, as vacuuming will also pull dirt and water from between the tiles. If you do not have access to a wet vacuum, use a hose to rinse the area and a foam blade squeegee to push dirty water into a nearby drain. We do not recommend the use of a mop to recover a floor as this is the least effective method of recovery.

Recommended Cleaning Schedule

Your cleaning schedule will vary based on the specific needs of your facility.

Week 1: Degreaser Cleaner

Week 2: Degreaser Cleaner

Week 3: Peroxide Cleaner*

Repeat

*We also recommend using Peroxide Cleaner in bathrooms, showers, and locker rooms once per week.

*Use Mineral Deposit Remover wherever deposits can be seen on the tile followed by Degreaser Cleaner.

Replacing Life Floor

Tools

Razor scraper or putty knife
Measuring tape
Utility knife
Waterproof contact cement
General paintbrush
Floor roller (optional)

Replacement Process

First, remove the damaged tile by lifting tile corners with a razor scraper or putty knife. Pull the tile away from the floor substrate until completely free.

Second, scrape and remove any leftover adhesive from the substrate surface with a putty knife or a 4-inch razor scraper.

Third, after removing leftover adhesive, measure and, with a utility knife, cut a new Life Floor tile to the size of the replacement area.

Finally, adhere tile to the substrate using waterproof contact cement found at your local hardware store. Follow the instructions on the back of the contact cement container for tile placement and adhesion process.

We recommend the following adhesion process:

With a general paintbrush, evenly apply adhesive to the back of the replacement tile and to the substrate. Let both surfaces cure for approximately 10-15 minutes until the cement is tacky or slightly dry to the touch (see cement label for curing times). Begin laying down the replacement tile by aligning the new tile edge with the surrounding tile edges. Ensure each corner and edge are secure by applying pressure with your thumb and index finger. To ensure adhesive is secured to the substrate, use a floor roller to apply pressure to the entire tile area.



Safety Data Sheet

Section 1 - Identity and Manufacturer's Information

Manufacturer's Name: Life Floor

Address: 2010 E Hennepin Ave #8
Building 8 Suite 206
Minneapolis, MN 55413

Product Name: Life Floor (soft floor tile)

Date Prepared: April 29, 2016 (version 3)

Prepared by: Regulatory Affairs Department

Information Calls: 612-567-2813

solutions@lifefloor.com

Section 2 - Hazardous Ingredients

Hazardous Ingredients: No hazardous ingredients per OSHA regulations, non-hazardous per directive 67/548/EEC and 1999/45/EC

Section 3 - Physical/Chemical Characteristics

Hardness: 55 +/-3 Asker C (ASTM - D2240)

Specific Gravity: 0.20 +/-0.02 g/cm³ (ASTM - D792)

Tensile: 13.2-20.5 kg/cm² (ASTM - D412)

Elongation: 120 - 170% (ASTM - D412)

Die-C Tear: 8.4 - 11.4 kg/cm (ASTM - D624)

Compression: 58.1 - 75.0% (ASTM - D395)

DIN Abrasion: 1534 - 2108 mm³ lost
(ASTM - D53516)

Resilience: 31 - 34% (ASTM - D2632)

Shrinkage - Length: 0 - 1.0% (ASTM - 4191)

Shrinkage - Width: 0 - 0.5% (ASTM - D4191)

Slip Resistance - Wet: 66 (AS HB198:2014)

Slip Resistance - Dry: 119 (AS HB198:2014)

Impact Attenuation: .44 m (EN - 1177)

Specific Gravity (H₂O = 1): <1

Melting Point: Above 212°F

Product Class: Rubber and ethylene
vinyl acetate co-polymer

Thickness: 3/8", 3/16", 7/8"

Dimensions: 24" x 24"

Section 4 - Fire and Explosion Hazard Data

Meets NFPA: Class 1(ASTM E 648). Class D (AST E84) 2

Critical Radiant Flux: 0.69 W/cm (NFPA 253-00)

Flame Spread Index: 255 smoke

Smoke Developed Index: 300

Extinguishing Media: Water or other Class A extinguishing agent

Special Fire Fighting Procedures: None. Use same precautions required by a wood or paper type fire.

Unusual Fire & Explosion Hazards: None known

Section 5 - Physical Hazards

UV Stability: Stable

Ozone Stability: Stable

Incompatibility (Materials to Avoid): N/A

Hazardous Polymerization: Will not occur

Conditions to Avoid: None known to manufacturer

No toxic leaching TCLP RCRA by Method 6010B and TCLP VOC by Method EPA 8260

Section 6 - Health Hazard Data

Routes of Entry: Inhalation: N/A Skin: N/A Ingestion: yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. None known to manufacturer

2. None known to manufacturer

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No



Safety Data Sheet

Section 6 - Health Hazard Data (continued)

I.A.R.C. Monographs = No

OSHA = No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

Signs and Symptoms of Exposure: None known to manufacturer.

Medical Conditions Generally Aggravated by Exposure: None known to manufacturer.

Emergency & First Aid Procedure: N/A

Section 7 - Precautions for Safe Handling & Use

Steps To Be Taken In Case Material Is Released Or Spilled: N/A

Waste Disposal Method: Dispose of in accordance with all federal, state, and local requirements. MNY Group, LLC products are recyclable. Please contact at telephone number or email above for more information.

Precautions To Be Taken In Handling And Storing: Store at room temperature (60 - 80°F) 72 hours prior to installation.

Other Precautions: Do not install at temperatures above 80°F or below 60°F

Section 8 - Control Measures

Respiratory Protection (Specify Type): No required ventilation

Local Exhaust: Normally adequate

Mechanical (General): Not required

Special: N/A

Other: N/A

Protective Gloves: Not required

Eye Protection: Not required

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: N/A

Section 9 - Transportation Information

Applicable regulations: 49 **CFR** = no; **IMCO** = no; **IATA** = no

Proper shipping name: Soft tile

UN number: N/A

Limited Quantity: N/A

Hazard Class: N/A

Labels Required: Not required

DOT Exception: N/A

EPA Hazardous waste number/code: not listed

Ignitability = not applicable; **Reactivity** = not applicable

Disclaimer of Warranties

MNY Group, LLC believes the data set forth herein are accurate as the date hereof. MNY Group, LLC makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.



Terms & Conditions of Sale

1. GENERAL.

Life Floor agrees to provide the products (the "Products") and the installation and other services ordered by Customer (the "Services") in accordance with these Terms and Conditions, which shall be deemed a part of any Purchase Order and shall be incorporated therein by this reference. If Customer has not otherwise agreed to these Terms and Conditions as a part of a Purchase Order, Customer's accepting delivery of the Products or making payment therefor will constitute Customer's acknowledgment of its agreement to these Terms and Conditions. To the extent of any conflict or inconsistency between these Terms and Conditions and the terms and conditions set forth in any Customer purchase order, order confirmation or other document, these Terms and Conditions shall take precedence. If Customer deems any of these Terms and Conditions not to be acceptable, Customer's sole recourse shall be to cancel Customer's order by written notice to Life Floor within five (5) days of receipt of these Terms and Conditions. Any Purchase Order, these Terms and Conditions, and any attachments hereto shall be collectively referred to herein as the "Agreement".

2. PAYMENT TERMS.

In consideration of the delivery of the Products and/or performance of the Services, Customer agrees to pay Life Floor the purchase price as set forth in the Purchase Order. Payment of such purchase price shall be made in U.S. Currency as and when specified in the Purchase Order. If Customer believes that any invoice is incorrect, Customer must notify Life Floor in writing within twenty (20) days after receipt of the applicable invoice. If Customer does not so notify Life Floor, Customer shall be deemed to have waived the right to further dispute the accuracy of the invoice. If at any time Life Floor determines that Customer's financial condition or credit rating does not justify a sale on credit, Life Floor reserves the right to require advance payment, a personal guarantee and/or other security.

3. LATE PAYMENT.

All payments not made as and when required hereunder shall bear interest at the rate of one and one-half percent (1.5%) per month, or the maximum rate allowed by law, whichever is less, commencing on the date that the purchase price payment was due pursuant to the terms of the Purchase Order. Delinquent account balances are subject to placement for collection, and Customer shall pay any reasonable fees and expenses incurred by Life Floor for such collection activities including attorney's fees. Life Floor reserves the right to cancel or suspend any outstanding orders upon written notice to Customer in the event of Customer's failure to make timely payment hereunder.

4. TAXES.

Life Floor's prices do not include any personal property, value-added, sales, excise, use or other taxes. Customer shall be liable for all such taxes whether or not invoiced by Life Floor. Any sales tax to be collected by Life Floor shall be reflected on the Purchase Order and/or invoice.

5. SHIPMENT.

Delivery will be EXW, Life Floor's facility (Incoterms 2010) or other point of origin designated by Life Floor. Life Floor shall have the right to determine the method of shipment and routing of the Products, unless otherwise agreed in writing. Customer shall pay all Product shipping and delivery charges, which will be included on Customer's invoice. Life Floor shall not be liable for damages caused by delays in shipping or delivery for any reason whatsoever. Delay in the delivery of any Products hereunder shall not relieve Customer from the obligation to accept and pay for such Products.

6. SERVICES.

Life Floor shall have no obligation to perform any installation or other Services except for those specifically identified on the Purchase Order or otherwise agreed in writing by the parties.

7. EXPRESS LIMITED WARRANTY.

Life Floor warrants all 7/8" and 3/8" thick Life Floor tiles to be free of defects in workmanship or materials for a term of five (5) years from the date of delivery of the Products (the "Warranty Period"). Life Floor warrants all 3/16" thick Life Floor tiles to be free of defects in workmanship or materials for a term of three (3) years from the date of delivery of the Products (the "Warranty Period"). Warranty includes coverage against degradation of the complete texture. Warranty does not cover color changes of any kind. **Life Floor requires certified installers to warrant all installation services they provide to be free of defects in workmanship and adhesion for a term of one (1) year from the date of completion of the installation of the Products (the "Warranty Period").** Limitations to the warranty period include areas of extreme traffic, extreme UV exposure, and extreme chemical exposure. Extreme traffic defined by areas with annual traffic of 250,000 users or greater. Extreme UV exposure defined by more than 90 days of daytime in the "extreme" category as defined by the World Health Organization UV index within a 365 day period. Extreme chemical exposure defined as water chemistry used on the product with more than 28 days cumulative time in a 365 day period outside of the "ideal" set in APSP Water Quality Standards. Life Floor warrants all Products in areas of extreme traffic, extreme UV exposure, and extreme chemical exposure for a term of two (2) years from the date of delivery of the Products. Life Floor does not warranty any purchases if the Customer knowingly purchases factory second (defective) quality material. **Life Floor does not warranty installation services.** The Customer shall notify Life Floor in writing within thirty (30) days of the discovery of a defect causing the Products to be noncompliant with this express warranty. Any such notice must be received during the Warranty Period in order to be valid. If Life Floor, after testing or an on-site audit, determines that there is a defect causing the Products to be noncompliant with this express warranty during the Warranty Period, Life Floor's sole responsibility under this express warranty shall be either to repair or replace, at Life Floor's option and expense, any such defective Product. Life Floor's express warranty herein set forth is expressly conditioned upon the proper maintenance, care, and use of the Products. Improper maintenance, care, and/or use of the Products will invalidate the warranty including failure to follow the Life Floor Recommended Cleaning Process. See Life Floor owner's manual for further limitations on use.

8. DISCLAIMER.

CUSTOMER ACKNOWLEDGES AND AGREES THAT THE EXPRESS WARRANTY SET FORTH IN SECTION 7 ABOVE IS THE SOLE WARRANTY WITH REGARD TO THE PRODUCTS AND SERVICES. LIFE FLOOR EXPRESSLY DISCLAIMS ANY OTHER WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS AND SERVICES, INCLUDING BUT NOT LIMITED TO, THEIR QUALITY, PERFORMANCE, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR CUSTOMER.

9. LIMITATION OF LIABILITY.

IN NO EVENT SHALL LIFE FLOOR BE LIABLE TO CUSTOMER OR ANY THIRD PARTY FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES OR LOST PROFITS ARISING OUT OF OR RELATED TO THE PRODUCTS, THE SERVICES, THE AGREEMENT OR THE PERFORMANCE OR BREACH THEREOF, IRRESPECTIVE OF WHETHER LIABILITY IS ASSERTED IN CONTRACT, TORT, OR OTHERWISE OR WHETHER LIFE FLOOR HAS BEEN ADVISED OF THE POSSIBILITY THEREOF. LIFE FLOOR'S LIABILITY TO CUSTOMER UNDER ANY LEGAL THEORY SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE APPLICABLE PRODUCTS AND/OR SERVICES SOLD TO CUSTOMER.

10. FORCE MAJEURE.

Life Floor shall not be liable for any delays in delivery, or for non-delivery or nonperformance in whole or in part, caused by the occurrence of any contingency beyond the reasonable control of either Life Floor or its suppliers including but not limited to one or more of the following causes: non-availability or shortage of materials, fire, destruction of plant, strike, labor disputes, epidemic, flood, delay in transportation, war, insurrection, embargo, acts, or demands or requirements of any governmental body. The existence of any such cause or causes of delay shall extend the time of performance to the extent of the resulting delay.

11. CANCELLATION, COUNTERMAND AND RETURN OF GOODS.

Orders accepted by Life Floor cannot be cancelled or countermanded, or shipments deferred or Product returned, except with the prior written consent of Life Floor and upon such terms that may be reasonably established by Life Floor. Life Floor authorizes customers to return up to 10% of product ordered. This product must be returned in full box form within 90 days of original purchase. Life Floor will refund the portion of the sale which was returned as well as any return shipping within 30 days of receipt and inspection.

12. NONDISCLOSURE.

Customer shall not disclose any technical or other proprietary information furnished by Life Floor or obtained by virtue of Customer's dealings with Life Floor and shall make all efforts to ensure that such technical or other proprietary information is kept confidential. Title to such technical or other proprietary information disclosed or supplied by Life Floor to Customer shall at all times remain the absolute property of Life Floor.

13. MARKETING

Unless otherwise negotiated, you grant a non-exclusive right to Life Floor to publicly promote you and/or your facility as an owner and/or user of Life Floor tiles.

14. INDEMNITY.

Customer will defend, indemnify and hold Life Floor harmless from and against all damages, losses, claims and expenses, including reasonable attorneys' fees incurred by Life Floor, as a result of any breach by Customer of the Agreement, or any violation by Customer of applicable law.

15. ASSIGNMENT.

The Agreement may not be assigned or delegated by any party without the prior written consent of the other party. The Agreement may only be amended or modified by a writing duly executed by the parties hereto.

16. SEVERABILITY, WAIVER, AND SURVIVAL.

If any provision in or obligation under the Agreement shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions or obligations shall not in any way be affected or impaired thereby. The waiver of any provision or condition or the breach of any term will not be a waiver of any subsequent breach of the same or any other term or condition. The Agreement constitutes the complete and final integrated agreement between the parties in regards to the specific terms contained herein. All prior negotiations, discussions and representations are merged into the Agreement. The Agreement shall be binding upon and inure to the benefit of the parties and their respective heirs, personal representatives, successors, and assigns. The acknowledgements, covenants and obligations of the parties set forth in the Agreement shall survive the expiration or termination of the Agreement, unless inapplicable by their terms.

17. APPLICABLE LAW.

The Agreement shall be interpreted in accordance with the substantive laws of the State of Minnesota, without giving effect to conflict of laws principles. The parties agree that the exclusive venue for any claims or actions arising under or in relation to the Agreement shall be in Hennepin County, Minnesota, or in United States District Court for the District of Minnesota. The parties hereto consent to the personal jurisdiction of such courts and waive any argument that such a forum is not convenient.