

## INDOOR APPLICATIONS – SPORTFLEX, SUPER X, AND MONDOTRACK SURFACES OPERATION AND MAINTENANCE MANUAL

The aim of this maintenance program is to promote athletes' safety, to maintain optimum flooring performance and appearance, and to prevent premature deterioration of the surface.

To ensure optimal results, these guidelines must be personalized to meet individual facility needs, taking into consideration local conditions, expected usage, athlete conduct, and other factors specific to the facility in question.

The maintaining of the correct environmental conditions and the use of the correct maintenance procedures are key to guarantee the performance over time of the Mondo sports flooring, and to keep the Mondo warranty valid.

### **1 Operating Environmental Conditions**

- 1.1 The facility shall be enclosed, clean, dry, well ventilated, with ambient temperature ranging between 41°F (+5°C) and 104°F (+40°C) between 59°F and 77°F (+15°C and +25°C) if the floor is installed over a wooden sub-base) and relative humidity ranging between 35% and 60% (between 45% and 60% if the floor is installed over a wooden sub-base)
- 1.2 If the floor is installed over a wooden sub-base, avoid sudden changes in temperature (for example between night and day) exceeding 10°.
- 1.3 Protect the track surface from direct sunlight. Use curtains or UV-resistant film on large glass doors and windows.
- 1.4 Maintain the above-mentioned environmental conditions when the facility is not in use.
- 1.5 **IMPORTANT** - It is the Owner's responsibility to install the protection, ventilation and air conditioning systems eventually required to maintain the above-mentioned environmental conditions, and to install a thermometer and a hygrometer to continuously monitor and record temperature and relative humidity.
- 1.6 **IMPORTANT** - Mondo accepts no liability for product damage caused, totally or partially, by inappropriate environmental conditions.

### **2 Preventive Maintenance**

- 2.1 Do not allow any activity on the unprotected track surface, other than those sport activities for which the track surface is intended.
- 2.2 **IMPORTANT** - Mondo accepts no liability for product damage caused, totally or partially, by use different from the intended one, misuse or abuse of the track surface.
- 2.3 Only allow the wearing of non-marking non-black soled indoor court shoes on the track surface.
- 2.4 Prohibit the wearing of high heel, hard soled, and black soled shoes on the track surface, as those might cause indentation, abrasion, and scuff marks.
- 2.5 Control access to the track surface to avoid litter, debris, dust, sand, grit, mud and dirt transferring to the floor. Always install walk-off mats, runners and area rugs at the entrances of the facility and prohibit the wearing of street shoes on the track surface.
- 2.6 As part of good facility management practices, Mondo recommends controlling the length and shape of spikes allowed on track surfaces. While Mondo's track surfaces are suitable for accepting the spikes described in the World Athletics Competition Rules, based on experience only low-penetration pyramid and compression spikes should be permitted. Needle spikes are not permitted. Spike length should not exceed 6 mm. Please refer to Mondo Spike Bulletin for additional information.
- 2.7 A Mondo track surface must meet a minimum thickness of 10mm for use of trackspikes.
- 2.8 Starting blocks should be fitted with 12mm heavy-duty steel slim-cone spikes and regularly checked to ensure no spikes are missing.
- 2.9 **IMPORTANT** - Badly designed starting blocks and/or starting blocks with missing spikes will slip back and tear the surface. This will affect the athlete's performance and will require early replacement of the start area.

MAINTENANCE INSTRUCTIONS - CS 7.3-1

- 2.10 Always adjust the feet of the long- and triple-jump boards and covers till these are perfectly flush with the surrounding synthetic surface.
- 2.11 Schedule practice so as to spread wear evenly over the entire track surface.
- 2.12 **IMPORTANT** - Using protective mats during training sessions helps reduce wear on runways.
- 2.13 Prohibit the use of adhesive tape and the like on the track surface. If unavoidable, ensure the tape is removed before glue is permanently transferred. Residue from adhesive tapes can be very challenging to remove and might permanently stain the track surface.
- 2.14 Prohibit food and beverage on the track surface. Residue from certain types of food and highly colored drinks and chemicals can be very challenging to remove if left to dry and might permanently stain the floor.
- 2.15 Prohibit chewing gum and tobacco on the track surface.
- 2.16 Ban smoking on the track surface.
- 2.17 Ban open flames, welding, etc. on the track surface.
- 2.18 Prohibit changing or adding fluids to vehicles and equipment while on the track surface.
- 2.19 Ensure that all pieces of loose athletic equipment and furniture allowed on the track surface are in good order, rust-free and fitted with appropriate pneumatic wheels, feet, glides, caps, etc. Always avoid the use of black rubber mats, wheels, feet, glides, caps, etc., as they may contain black carbon chemicals that could permanently stain the track surface. Always choose non- staining light-color products.
- 2.20 Prohibit sharp objects and abrasive surfaces on the unprotected track surface.
- 2.21 Prohibit point loading on the unprotected track surface.
- 2.22 Limit distributed loading on the track surface to 100lbs/SF, or the distributed load-bearing capacity of the substrate, whichever is lowest.
- 2.23 Do not store materials on the unprotected track surface.
- 2.24 Do not allow vehicles and equipment to drive or park on the unprotected track surface.
- 2.25 **IMPORTANT** - If heavy loads, such as temporary bleachers, seats, stages, vehicles, equipment, etc. must be allowed into the facility, protect the track surface to avoid contact with sharp edges, abrasive surfaces, wheels and tires, and to eliminate point loading. Distribute point load with load spreaders. Area, thickness and rigidity of the load spreaders should be determined so as to guarantee a load distribution that does not exceed 100lbs/SF or the distributed load- bearing capacity of the substrate, whichever the lowest. At the minimum place one layer of kraft paper on the track surface, place ¾" plywood with joints staggered over the polythene sheeting. Extend the protection 3' beyond the load application area. Additional planking and gangways may be required over this initial protection, depending upon the shape and size of the load application area and the distributed load-bearing capacity of the substrate.
- 2.26 **IMPORTANT** - Mondo accepts no liability for product damage caused, totally or partially, by use of inappropriate footwear, litter, debris, dust, sand, grit, mud, dirt, adhesive tapes, food, beverage, chewing gum, tobacco, open flames, welding, engine fluids, inappropriate athletic equipment and furniture, sharp objects, abrasive surfaces, point loading, excessive distributed loading, vehicles and equipment driving or parking on the unprotected track surface.
- 2.27 Develop and implement a regular schedule of inspection and maintenance.
- 2.28 If the track surface is under warranty, notify Mondo in writing within ten (10) days of discovery of any defect allegedly ascribable to Mondo. In such event, please wait for the instructions of Mondo before proceeding with any repair.
- 2.29 **IMPORTANT** - Mondo accepts no liability for product defects covered by Mondo's warranty, unless duly notified to Mondo within 10 (ten) days of discovery, and prior to the execution of any repair work.
- 2.30 If the track surface is not under warranty, repair minor damage immediately, report major damages to Mondo immediately.

### **3 Regular Maintenance**

- 3.1 Vacuum up grit, stones, and sand off the surface on a routine basis to reduce surface wear.
- 3.2 Maintain the sandpits by sweeping the sand back into the pits on a regular basis, especially after events or practice, to avoid sand accumulating on the track.

MAINTENANCE INSTRUCTIONS - CS 7.3-1

- 3.3 **IMPORTANT** - Sand standing on the track will abrade and accelerate deterioration of the track. If necessary, vacuum and dispose of sand.
- 3.4 In the event that oily substances, petrol, solvents, paints, or the like are spilt on the surface, scrub and rinse immediately to eliminate all residues.
- 3.5 In the event of chewing gum, cigarettes, food, and drink residues, etc. soiling the surface, scrub and immediately eliminate all residues. If chewing gum is embedded in the surface, use freezing techniques to remove it.

#### **4 Washing Operations**

- 4.1 Wash the floor once a week, or as often as needed depending on local conditions.
- 4.2 **IMPORTANT** - Once paint has been applied, wait at least 6 months before performing the initial wash of the track surface.
- 4.3 **IMPORTANT** - For best results, wash the track surface in the absence of direct sunlight from large glass doors and windows.
- 4.4 Prior to washing the track surface always vacuum it to remove all debris.
- 4.5 Use an autoscrubber, fitted with a non-abrasive cylindrical brush (soft nylon bristles).
- 4.6 **IMPORTANT** - For best results on track surfaces installed on concrete, Mondo recommends the use of the Tennant T20 ride-on scrubber with ec-H2O Technology (Electrically Converted Water Technology), equipped with cylindrical brushes. This ensures excellent cleaning results without the use of chemical detergents.
- 4.7 **IMPORTANT** - For best results on track surfaces installed on Modultrack Hydraulic, Portable and Permanent Track Structures, Mondo recommends the use of the Tennant T7 walk-behind scrubber with ec-H2O Technology, equipped with Cylindrical Brush Scrub Head.
- 4.8 In small areas, or if attempting minor spot cleaning, the surface should be sprayed and scrubbed with deck brushes (equipped with soft nylon bristles).
- 4.9 Only use a low foaming cleaner with neutral pH (between 7 and 9) approved by Mondo, such as Diversey Profi, applied in accordance with the manufacturer's instructions.
- 4.10 **IMPORTANT** - All detergents must be solvent-free, phosphate-free and phenol-free. Never use solvents, gasoline or turpentine.
- 4.11 **IMPORTANT** - Prior to adopting a new cleaning product always perform in-house tests on stock samples or small isolated sections of material to ensure the floor will not be damaged.
- 4.12 **IMPORTANT** - Always test the dilution rate on a small area of the surface and adjust as needed for the desired result.
- 4.13 Apply cleaning solution, followed by a dwell time of 5 to 10 minutes, as per the manufacturer's instructions.
- 4.14 Scrub surface in multiple directions and vacuum soiled water. Do not let the surface dry out.
- 4.15 Rinse the surface with sufficient quantities of clear water to avoid soap residue/build-up.
- 4.16 Allow flooring to dry thoroughly before using.
- 4.17 **IMPORTANT** - Avoid "burning" the surface by scrubbing the surface while it is dry.
- 4.18 **IMPORTANT** - Insufficient rinsing after the wash can lead to the accumulation of soap residue. This can leave white streaks/marks on the surface of your track surface and negatively affect its appearance. Residues can also entrap dust and dirt.
- 4.19 **IMPORTANT** - Always post wet floor signs, caution tape or barricade before performing wet maintenance.
- 4.20 **IMPORTANT** - Always refer to material safety data sheets (MSDS) for proper personal safety requirements before working with any cleaning product.

#### **5 Stress Areas**

- 5.1 Concentrated wear on stress areas - such as the take-offs for long/triple jumps, pole vault and high jump, and starting-block areas - is normal and can occur at any time, depending upon the degree of use, the type of footwear, the length and shape of spikes allowed on the floor, and the presence of sand or other abrasive materials.
- 5.2 The presence of spike marks does not reduce the athletic performance or the safety of Mondo's

MAINTENANCE INSTRUCTIONS - CS 7.3-1  
track surfacing products.

5.3 Mondo recommends replacing stress areas at least every five years.

## **6 Lines and Event Markings**

- 6.1 Concentrated wear of lane numbers and other lines that are subject to high volumes of traffic - such as start lines, finish lines, exchange-zone marks, etc. - is normal and can occur at any time, depending upon the degree of use, the type of footwear, the length and shape of spikes allowed on the floor, and the presence of sand or other abrasive materials.
- 6.2 Mondo recommends touching up lane numbers and cross lines at least every two years, depending on usage.
- 6.3 Mondo recommends refreshing all lines at least every five years depending on usage.
- 6.4 **IMPORTANT** - Storage periods exceeding 6 (six) months as of the invoice date; environmental conditions during storage, installation, line marking or operation other than those specified by Mondo; the use of storage, installation, line marking or maintenance procedures not approved by Mondo; the use of adhesives, paints, detergents or other chemicals not approved by Mondo; the installation or line marking of indoor running tracks by installers or line markers not specifically certified by Mondo; the use of the floor for purposes other than the sport activities for which the flooring is intended; flooding or infiltration of water or other liquids; the execution of technical interventions without prior authorization by Mondo, will immediately void the Mondo warranty.