

Indoor Sport

WOODEN SPORT FLOORINGS

OPERATION AND MAINTENANCE MANUAL



Emesso da Customer Service	Compilato da Fulvio D'Alessandro Luca Reinaudo	Data prima emissione 09/2015	Revisionato da	Livello revisione 01	Data revisione corrente
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INDOOR SPORT Æ WOODEN SPORT FLOORINGS OPERATION AND MAINTENANCE MANUAL

The aim of a maintenance program is to maintain optimum sport flooring performance and appearance, to promote athletes' safety 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, non-sport use and other factors specific to the facility in question.

Wooden sports floorings, as well as any sports flooring system that incorporates wooden parts, require unique environmental conditions and maintenance procedures which are essential to guarantee the performance over time of the 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 +15°C and +25°C, and relative humidity ranging between 45% and 60%.
- 1.2 Avoid sudden changes in temperature (for example between night and day) exceeding 10°C.
- 1.3 Protect the sport flooring 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.

IMPORTANT

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| 1.5 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. |
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IMPORTANT

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| 1.6 Mondo accepts no liability for product damage caused, totally or partially, by inappropriate environmental conditions. |
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2 Preventive Maintenance

- 2.1 Do not allow any activity on the unprotected sport flooring, other than those sport activities for which the sport flooring is intended.

IMPORTANT

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| 2.2 Mondo accepts no liability for product damage caused, totally or partially, by use different from the intended one, misuse or abuse of the sport flooring. |
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- 2.3 Only allow the wearing of non-marking non-black soled indoor court shoes on the sport flooring.
- 2.4 Prohibit the wearing of high heel, hard soled, and black soled shoes on the sport flooring, as those might cause indentation, abrasion and scuff marks.
- 2.5 Control access to the sport flooring 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 sport flooring.
- 2.6 Prohibit the use of adhesive tape on the sport flooring. Residue from adhesive tapes can be very challenging to remove, and might permanently stain the floor.
- 2.7 Prohibit food and beverage on the sport flooring. 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.
- 2.8 Prohibit chewing gum and tobacco on the sport flooring.
- 2.9 Ban smoking on the sport flooring.

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MAINTENANCE INSTRUCTIONS - CS 7.16-2

- 2.10 Ban open flames, welding, etc. on the sport flooring.
- 2.11 Prohibit changing or adding fluids to vehicles and equipment while on the sport flooring.
- 2.12 Ensure that all pieces of loose athletic equipment and furniture allowed on the sport flooring are in good order, rust-free and fitted with appropriate 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 sport flooring. Always choose non-staining light-color products.
- 2.13 Prohibit sharp objects and abrasive surfaces on the unprotected sport flooring.
- 2.14 Prohibit point loading on the unprotected sport flooring.
- 2.15 Limit distributed loading on the sport flooring to 500 Kg/sqm, or the distributed load-bearing capacity of the substrate, whichever the lowest.
- 2.16 Do not store materials on the unprotected sport flooring.
- 2.17 Do not allow vehicles and equipment to drive or park on the unprotected sport flooring.

WARNING

- 2.18 If heavy loads, such as temporary bleachers, seats, stages, vehicles, equipment, etc. must be allowed into the facility, protect the sport flooring 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 500 Kg/sqm or the distributed load-bearing capacity of the substrate, whichever the lowest. At the minimum place one layer of 1.5mm thick nonwoven white polyester geotextile fabric on the sport flooring, cover with one layer of 0.3mm (12mil) polythene sheeting with taped joints, and place one layer of 19mm plywood with joints staggered over the polythene sheeting. Extend the protection 1m 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.

IMPORTANT

- 2.19 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 sport flooring, etc.
- 2.20 Develop and implement a regular schedule of inspection and maintenance.
- 2.21 If the sport flooring 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.

IMPORTANT

- 2.22 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.
- 2.23 If the sport flooring is not under warranty, repair minor damage immediately, report major damages to Mondo immediately.

3 Regular Maintenance

- 3.1 Dust mop/vacuum flooring to remove any dust, dirt and debris on a routine basis to reduce surface wear.

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- 3.2 Spot clean the wooden floor using a mop moistened with ethyl alcohol. Remove stubborn stains with a cotton cloth moistened with ethyl alcohol.

WARNING

- 3.3 Always perform in-house tests on stock samples or small isolated sections of material to ensure the floor will not be damaged.

WARNING

- 3.4 The ordinary maintenance of wooden floor shall never be performed using water or water-based solutions.

4 Unscheduled Maintenance

- 4.1 Wash the wood floor only in the event of buildup of body fats from sweat and other contaminants that cause the surface to become slippery.

CAUTION

- 4.2 Wait at least 30 days before performing the initial wash.

- 4.3 Prior to washing the floor, always vacuum it to remove all debris.

- 4.4 For best results, use a floor buffing swing machine fitted with a non-abrasive scrubbing pad (white or yellow pad).

WARNING

- 4.5 Never use an abrasive scrubbing pad (brown or black pad), as this might cause damage to the floor finish and to the game lines.

- 4.6 In small rooms, or if existing furniture and equipment is preventing access to some areas, use microfiber mops.

- 4.7 Only use a detergent approved by Mondo, such as Bona Sportive Cleaner Plus, specifically designed for occasional cleaning of wooden sports floors to remove the build-up of body fats and other contaminants. It may also be used to spot clean black heel marks and remove scuffmarks.

- 4.8 Apply the Bona Sportive Cleaner Plus detergent in accordance with the manufacturer's instruction, keeping to a minimum the amount of water applied to the floor.

WARNING

- 4.9 Do not perform any washing operation in the presence of gaps between wood boards and surface damages, as this might cause permanent stains to the wood.

- 4.10 Allow flooring to dry thoroughly before using.

CAUTION

- 4.11 Always post wet floor signs, caution tape or barricade before performing wet maintenance.

CAUTION

- 4.12 Always refer to material safety data sheets (MSDS) for proper personal safety requirements before working with any cleaning product.

IMPORTANT

- 4.13 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 use of the floor for purposes other than the sport activities for which the flooring is intended; flooding or infiltration of water and/or liquids of any kind; the execution of technical interventions without prior authorization by Mondo, will immediately void the Mondo warranty.

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