

Installation Instructions

Speed-Lock S20



Project: Leira, NOR

SPEED-LOCK[®]
Mobile Sports + Cover Floors

manufactured by **HOLZ SPECKMANN** Germany

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Contents

1. Installation Instructions

| | |
|--------------------------------------|----|
| 1.1. Safety Instructions | 3 |
| 1.2. Assembly Instructions..... | 5 |
| 1.2.1. Preparation | 5 |
| 1.2.2. Environmental Conditions..... | 8 |
| 1.3. Dismantling..... | 9 |
| 1.4. Storage..... | 10 |

2. Maintenance and Cleaning Instructions

| | |
|--|----|
| 2.1. Required Maintenance and Cleaning Products..... | 12 |
| 2.1.1. Daily Cleaning | 13 |
| 2.1.2. Intensive Cleaning | 13 |
| 2.1.3. Basic Cleaning | 13 |
| 2.2. Special instructions | 14 |
| 2.3. Recommended Manufacturers | 15 |

1. Installation Instruction

1.1. Safety Instructions

- **Always observe and follow the applicable health and safety regulations.**
- **A supervision and instruction by the Supervisor from Holz-Speckmann is an essential part of the first installation.**
- The Installation must always be carried out by qualified specialist staff.
- Workers must wear safety gloves and boots so as not to injure themselves on the aluminium profile edges.



- Each installation team must consist of at least two qualified floor installers
- During all installation work, make sure that the wheels of the containers are properly locked to prevent the containers from rolling away. Otherwise there is a risk of injury!
- Forklifts or lifting platforms may never be driven on the sports floor.
- If the sports floor is not correctly laid, there is a risk of tripping and injury!

- Basic prerequisite: solid, clean, dry and even surface in accordance with DIN 18202 Table 3, Line 4.

Flatness Specification: DIN 18202 - Table 3

| Column | 1 | 4 | 8 | 11 |
|----------|---|--|----|----|
| | | Position deviations (limit values), in mm, for distances between measuring points, in m, up to | | |
| Group | Applicable to | 1* | 3 | 6 |
| 3 | finished floors (e.g. screed as wearing courses or screed to receive a flooring, trowelled or bonded floorings) | 8 | 11 | 13 |
| 4 | as group 3, but subject to more stringent requirements | 3 | 7 | 10 |

*Intermediate values shall be taken from figures 1 and 2, and shall be given to the nearest millimetre.

1.2. Assembly Instructions

1.2.1. Preparation

Important Notes

- Observe the laying plan during all stages of assembly.
- When laying the first row, you must use a guide (such as a string or drawn line or a laser measurement device) to prevent curvature (banana or sickle effect) in subsequent laying.



- If the storage and transportation containers are equipped with heavy duty castors, always make sure that they are locked before you start taking out the panels.
- Storage and transportation containers: six bars can be removed so that side loading and unloading can take place.
- If the court is colored and/ or equipped with game lines each panel is marked according to the layout plan.

- Each panel must be fitted by two workers simultaneously in order to prevent damage during handling.



Caution:

Take care not to bend or damage the aluminium profiles when lifting the panels.



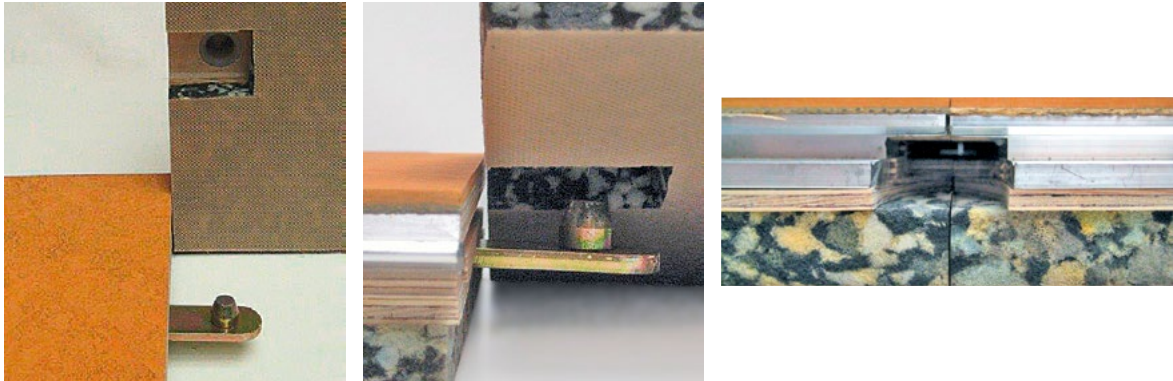
Caution:

When lining up the panels the optimum fitting angle is approx. 30°.



- Always put the panels down with the foam side facing downwards. Do not lay them on their sides or the surface.
- When lining up the next panels, make sure the panel is straight (and at an angle of no more than 30°), then carefully push it into the groove. Then lower the panel to the ground by hand. If the panel is not completely touching the surface underneath, never push it down with excessive force. Carefully take the panel out of the groove and line it up again.

Closing the head joint



Closing the tongue joint

- The tongue joint ensures the evenness of the head joints.
- The tongue joint has to be pushed into a milling groove between the head joints.



Caution:

Take care to push the tongue all the way behind the aluminium profile.



Caution:

Do not push the tongue into the foam layer.

Installation of the last row



- Because the panels in the last row are also joined end-to-end, the edge trims have gaps alongside the end joints. These gaps are then closed with the conical gap fillers after the tongues are fitted.

1.2.2. Environmental Conditions

Wood is a natural product and always reacts in direct proportion to the relative humidity of the ambient atmosphere. The following climatic conditions are essential for the proper use of the Speed-Lock sports floor:

- The room temperature must be between 15 °C and 25 °C
- The ideal air relative humidity is 40 – 60 %

If this is not complied with, gaps may form or the panels may warp. **No claims for damage caused in this way will be accepted.**

If gaps appear after the installation the floor has to be dismantled and installed again to prevent damage on the panels.

1.3. Dismantling

- If the storage and transportation containers are equipped with heavy duty castors, always make sure that the brakes on the castors are locked before you start storing the panels.
- Storage and transportation containers: six bars can be removed so that side loading and unloading can take place.
- Each panel must be removed by two workers simultaneously in order to prevent damage during handling.
- After finishing the stacking, tighten the wing nuts on the bars.



Caution:

Take care not to bend or damage the aluminium profiles when picking up the panels.



Caution:

Before dismantling the floor make sure to clean it according to the current Maintenance and Cleaning Instructions provided by Holz-Speckmann. You can start dismantling as soon as the floors surface is completely clean and dry.

In order to dismantle the floor correctly, you must use the dismantling tool. Therefore, it must always be stored together with the panels.



1. Insert the dismantling tool in the direction of the arrow.
2. Lift the dismantling tool up until the hook reaches into the drill hole in the tongue.
3. Pull the tongue out of the milling groove.

- After the tongues have been removed, the panels can be picked up from the floor and then properly stored in the storage and transport containers.
- If the court is colored and/ or equipped with game lines each panel is marked according to the layout plan. Always make sure to stack the panels in the correct order. They should automatically be in the right order, because the first panel you remove will be the last one that was laid.

Removing the last row

- When removing the last row, you must take out the gap fillers before you can start taking the last end joints apart (see page 8).

1.4. Storage

The panels must be stored in suitable acclimatized storage area:

- The room temperature must be between 15 °C and 25 °C
- The ideal air relative humidity is 40 – 60 %

If this is not complied with, gaps may form or the panels warp. **No claim for damage caused in this way will be accepted.**

- The panels must be stored in the containers provided for this purpose.
- The panels should be stored with the foam side on top of the parquet side of the panel below, and not parquet on parquet or foam on foam.
- In case of a storage-period of more than a month the panels should be stored parquet on parquet and foam on foam. Precondition is a properly cleaned and dry floor surface.
- You can use tension belts to additionally prevent possible deformations of the modules during the storage-period. **Please contact us for best advice!**



- After finishing the stacking, tighten the wing nuts on the bars.
- Never stack more than two containers on top of each other.
- If two containers are to be stacked onto each other, the bottom container has to be placed on sufficiently high pieces of square timber so that the wheels do not touch the ground. This relieves the load on the wheels.



- If the containers are transported by truck (or similar) they also have to be placed on sufficiently high pieces of square timber to prevent the containers from rolling away.

2. Maintenance and Cleaning Instructions

The surfaces of all floors are subject to natural wear depending on the use. For this reason, regular cleaning and care are required to maintain the value of the product. **Due to its material construction “Speed-Lock” needs to be cleaned with the least amount of water.**

Ensure that all work is carried out by qualified personnel only!



Caution:

When cleaning the floor do not flood with water as this can cause irreparable damages! **Ensure that all work is carried out by qualified personnel only!**



2.1. Required Maintenance and Cleaning Products

For Maintenance and Cleaning we recommend products from:

- **Bona** for general application on wooden and parquet sports floorings
- **Dip'n Grip** especially for the use on Handball sports floors

2.1.1. Daily Cleaning:

- A sealed wooden sports floor is first cleaned with a mop, soft broom or vacuum cleaner. In addition, the dust-attracting Bona micro fibre pad can be used.
- For quick and easy cleaning of light footprints and adhering dirt, it is recommended to use the **Bona parquet spray cleaner**, including the **Bona cleaner pads** (available in the starter kit).
- The spray/mop method prevents overly wet cleaning of the wood floor.
- As an alternative to this method you can also use **Bona Sportive Cleaner** and mop the floor in the conventional way with a **well-wrung** cloth.
- Use the **Bona Sportive Cleaner** in higher concentrations for stains.
- Mop only in a slightly damp state.
- Do not use steel wool, as this would damage the seal, allowing moisture and dust to penetrate into the wood. Commercially available microfibre cloths may also damage the sealed surface. **Only use microfibre cloths suitable for sealed wood floors.**

2.1.2. Intensive Cleaning:

- Intensive cleaning is performed as necessary to remove black heel marks and scuff marks and to remove grease and strong stains.
Use Bona Sportive Cleaner Plus and mop the floor in the conventional way with a well-wrung cloth.

2.1.3. Basic Cleaning

- Mechanical or manual basic cleaning is only required when the floor has strongly adhering dirt that cannot be removed with the routine cleaning. **Bona Remover** is suitable for this basic cleaning. When cleaning, do not flood the floor with water, as this may cause damage the floor due to swelling of the wood. After application, immediately remove the cleaning solution by rinsing the wood floor with a clear well-wrung cloth.

If necessary **Bona Freshen Up** can be applied to give back the original shine and playing conditions (friction coefficient) to the Speed-Lock wood floor.

2.2. Special Instructions:

- Table and chair legs must be equipped with suitable pads, such as felt pads encased in plastic. All furniture and other equipment must be moved in with care.
- Do not move portable basketball-backstops or other heavy (rolling) loads over the Speed-Lock sports floor without using a sufficiently thick load distribution board.



- When using chairs with casters, use only soft wheels of type W according to DIN EN 12529; you should also use appropriate pads.
- Door mats and sufficiently large dirt-catching grates must be placed in the entrance area.
- Beverages, tar, oil, fruit, etc. can cause stains and damage to the parquet surface.
- Speed-Lock wood sports floors should always be adequately protected against dirt.

- Shoes worn on the floor must be suitable for the respective sports.
- Never treat parquet floors with steel wool, abrasive scouring agents or abrasives.
- Handball resin waxes must be removed with “**Dip’n Clean**”.
- Only use automatic scrubbers with adequate equipment like Rotowash® or approved equivalent suitable for use on Speed-Lock sports floors.
- After competition games, the sports floor should be packed in the transport and storage trolleys. The floor must be clean and dry prior to storage.
- Cleaning and maintenance should be performed by qualified and experienced staff only. Applying care products is a task requiring handwork.
- **Caution: Using too much water can cause the wood to swell.**
- Please refer to the relevant technical data sheets or contact the technical department for application at Bona and/or Dip’n Grip.

2.3. Recommended Manufacturers

If you have further questions on the proper cleaning and maintenance of flooring, please contact the Application Engineering Department of:

Bona Vertriebsgesellschaft mbH Germany

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Phone: +49 6431 4008-0

www.bona.com/de/

and

Dip’n Grip

www.dipngrip.com