

Preventative measures

- ☑ Entrance matting: Ensure that the entrance mat is as large as possible. It should be so large that you have to take minimum four steps to cross it. Ensure that the mat allows dirt to drop away from the surface and removes moisture. A mixture of water and grit combined with foot traffic will essentially wet abrade the floor.
- ☑ Cleaning of entrance matting: Advise that the matting is maintained and replaced on a regular basis. A dirty mat can't clean shoes or protect floors from being damaged.
- ☑ Shoes: Introduce a 'clean shoe' policy. This means that users of the hall agree to use clean sports shoes which are only used indoors. Also note that only non-marking shoes should be worn and that black soles are banned. This will reduce the incidence of black marks on the surface. A similar requirement should be made with sports equipment. For instance, black tape around the heads of hockey sticks leaves difficult to remove black marks.
- ☑ Equipment: Ensure that all equipment is in a good condition and where appropriate has protective covers for feet etc. A particular area of concern are wheels on 'bleacher' pull out seating or sports bars which can mark the surface if contaminated with grit or where sharp edges have developed.



Daily cleaning

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Surface dust can significantly affect the slip resistance of a floor, particularly when the floor is new or has recently been finished. As a basic minimum, dust and grit should be removed from all floors on a daily basis, preferably using a scissor mop. Smaller floors can be swept with a soft broom or vacuum cleaned.

The floor should be cleaned using Sportive Cleaner to remove dirt and other contamination. Ideally this should be done using a machine-based cleaning system, such as the Bona Buffer or a scrubber/dryer machine. For very small floors and spot cleaning, it is possible to use a mop. This is, however, not efficient enough for larger floors or for sustained use. On lightly used sports floors, these maintenance procedures may only be needed once or twice each week whereas heavily used multi-use floors will often require daily cleaning.

When normal cleaning seems unable to remove all of the dirt or marks on the floor, it is possible to clean using a more aggressive pad such as a red pad. But excessive, continuous use of aggressive pads may dull or physically damage the surface of the floor.

Avoid too much water on the floor. Fluctuations in the moisture content of the floor can cause expansion / contraction of the floor.

The effectiveness of the cleaning programme should be carefully monitored to determine that the frequency of cleaning is sufficient.

N.B. All cleaning materials must be kept in good order and replaced on a regular basis as it is impossible to clean properly or to apply any type of maintenance product with dirty equipment i.e. mops, etc.



Additional cleaning

Although frequent cleaning using Bona Sportive Cleaner will remove water soluble dirt and almost all other contamination from the floor, there will be an inevitable, gradual build up of materials, including body fat from skin contact and sweat as well as synthetic material from shoe soles and the like. This will cause the surface to become steadily more slippery and it is important that this material is removed from the floor without affecting the surface in any way. This is why the floor needs additional cleaning with Bona Sportive Cleaner Plus.

After dilution, spray or mop Bona Sportive Cleaner Plus across the surface of the floor and leave it on the surface for approximately 5 minutes. It is important not to apply too much and that it isn't left on the floor for an excessively long time.

When Bona Sportive Cleaner Plus has had time to loosen and dissolve the surface contamination, the floor should be machine cleaned, using a red pad or equivalent. It is important that all remains of Bona Sportive Cleaner Plus are removed from the surface before cleaning with Bona Sportive Cleaner.

The interval between additional cleanings with Bona Sportive Cleaner Plus depends on how the floor is being used and the amount of traffic. But, as a general guideline, most sports floors will need cleaning every few months, and heavily used floors will need it more often than that.



Renovation

The Bona Sportive Paint & Finish usually has a good adhesion to old pre-finished

Boen Sport Floor but the intercoat adhesion must always be checked prior to overcoating: Prepare a small in an inconspicuous corner using Prep and a fine abrasive. Don't overdo it since that may give misleading results. Apply a coat of Bona Sportive Finish, after 3 days scratch the floor surface gently with a coin. If the finish stays firmly attached to the surface, the adhesion is satisfactory.

The surface which is to be coated must be completely clean. Floors which have been previously treated with wax, polish or similar products can not be overcoated.

When everything above is checked and ok, then prior to application, the floor must be treated with the Bona Prep system according to the instructions on the Prep label, using the Bona Scard System, sanding disc/screen or sandpaper grade no. 150.

Application of Bona Sportive paint:

Stir the Bona Sportive paint thoroughly prior to use.

Apply the paint evenly using a suitable roller or brush for waterborne paint. Poor coverage will affect the opacity/hiding ability. Several applications may be needed in some circumstances. N.B. The room and finish temperature must not fall below + 13 C during application or drying. Remove the lining tape directly after application.

After the Bona Sportive Paint has dried thoroughly it should be lightly sanded to provide a physical key for subsequent applications of finish. An application of Bona Sportive Finish may be usually be made 24 hours after the paint has dried. If applying crossing lines, the paint may be crosspainted after minimum 1 hour.

Application of Bona Sportive finish:

Ensure that the container is shaken thoroughly prior to use (or before decanting smaller quantities). The finish container and

Bona Sportive Hardener are both provided with a measurement scale. After having determined the quantity of finish required add Sportive Hardener (4%) and either shake the container or stir it carefully at once. Wait for 5 minutes before using. The mixed product must be used within 8 hours.

Application should be carried out using a Bona Roller or Bona Applicator Bar. Apply the finish evenly with a smooth flowing action avoiding accumulations of finish. N.B. The room and finish temperature must not fall below +13°C during application or drying.

Application rate: 8-10 m²/litre (120-100 g/m²) per coat.

Overcoating: 1-2 x Bona Sportive Finish

Drying time: 2½ - 3 hours per coat at 20°C/60% RH.

The floor will take light foot traffic approximately 8 hours after the final application and may be put into full use after 72 hours. After approx. 1 week the finish will be completely cured. The floor can then be cleaned normally. During the curing period it is suggested that dry cleaning methods is carried out only.

N.B. It is essential that adequate ventilation be maintained during, and for one week after, application.



Lifetime Support Sportive on a Boen Sport Floor

Maintenance should be made easy for a Boen Sports Floor.

To install or renovate a Boen sports floor can be a costly affair, but in return the floor is expected to give a long lifetime's service. And the longer that lifetime is, the wiser your investment will be. The Bona Sportive System is designed to ensure the longest possible lifetime for Boen Sport Floors.

By combining both the preventive measures and the maintenance procedures described in this brochure, you maximise the floor's performance and appearance.

SUPPORT

We want to help ensure that the surface of the sports hall will be maintained in a proper way, so it will last for a long time. The Bona Sportive System offers solutions to all areas of keeping the floor in a good condition from finishes to coat bare wood or renovate existing finished floors through to the maintenance of the sealed surface and not forgetting the provision of compatible paint lines. However it is a system and each part should be working together wherever possible instead of in isolation.

The purpose of maintaining a floor from the moment of its installation and before it looks worn, is to postpone more extensive renovation work for as long as possible. This is why "Maintenance should be made easy".

We have detailed information on maintenance procedures and renovation below but it must be appreciated that every floor is different and by definition any maintenance schedule suggested can only be a starting point to be adjusted to meet the specific requirements of each individual floor and its needs. Bona has expert advice available locally all over the world to visit site and advice on specific maintenance issues related to the use of the

Sportive System.

SLIP RESISTANCE

A Boen Sport Floor has to perform in many ways. It has to absorb shocks in order to minimise the risk for injury. But it can't be too soft, as it then becomes tiring for the athletes. The floor's friction is possibly the most important factor. Too little friction increases the risk of slipping, while too much friction increases the risk of injuries. This requires a surface with the correct friction properties. Bona Sportive System not only lives up to all the demands of a professional sports floor, but often surpasses them.

After a Boen Sport Floor is installed, the floor can usually handle everything its owner subjects it to. But dirt, sweat and body fat can build up on the surface, even if there is a daily cleaning routine. This gradually reduces the floor's performance and makes the floor slippery. Since the process is gradual, it often goes unnoticed until the poor performance becomes all too obvious. For this reason it is essential that a high level of maintenance is present. After all, the failure to keep the floor in a useable condition and the possibility of injuries due to a preventable cause would be considered to be unacceptable.

MAINTENANCE SHOULD BE SIMPLE

To try to make the maintenance process simple the Bona Sportive System sets out in easy stages the key points which need to be considered when maintaining a Boen Sport Floor. Whilst each floor has its own individual requirements and needs the basic steps to success remain the same.

Step 1 in the Sportive programme addresses the issues related to maintenance and renovation. As noted previously '*The purpose of maintaining a floor from the moment of its installation and before it looks worn, is to postpone more extensive renovation work for as long as possible.*' This thought and approach is a constant with any floor but perhaps more important with sports floors due to their intensive use and the costs associated with work carried out on them due to their size. Step 1 should be continued at a high level on a constant basis to keep the floor looking good for many years.

No matter how well a floor is maintained and how carefully the programme is managed, after a certain period, micro scratches on the floor become more and more visible. By renovating the surface of the floor, before allowing it to wear back to a level when sanding to bare wood is the only available option, it is possible to both save money and keep the floor looking better for longer. Step 2 in the

Sportive programme aims for the floor to be prepared and lightly sanded before the application of additional applications of Bona Sportive Finish. As any contractor will tell, the difference in costs between a light abrasion and sanding the floor back to bare wood is great. But not only is it the actual cost of the work itself where savings can be made. There is less downtime with the hall closed, less chance of large amounts of dust being present, less life lost from the floor as it is only sanded on the surface and the floor remains in a better looking condition at all times.

Step 1: Maintenance

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Step 2: Renovation

Step 2 is designed to allow the floor to be renovated with the minimum level of preparation needed to obtain good adhesion whilst ensuring that the process is completed as quickly and efficiently as possible. The process combines a chemical preparation of the surface and a light abrasion. The chemical preparation ensures that the surface is free from contamination thus giving the best possible conditions for good adhesion of the applications of Bona Sportive Finish whilst the abrasion removes the micro scratches and further prepares the surface.

Before overcoating, the floor has to be thoroughly prepared using the Bona Prep preparation system. N.B. Where Bona Freshen Up has been used the floor must be cleaned using Bona Cleaner Plus prior to the use of Bona Prep.

Bona Prep is a ready-to-use preparation and conditioning system, which combines the application of a chemical solution with gentle abrasion of the floor to give perfect preparation for applications of Bona Sportive Finish. Detailed information on the use of Bona Prep is noted within the product literature and on the label.

After the preparation process, the floor must be coated with Bona Sportive Finish as soon as possible after it has dried. Repairs to the sports lines can be made at this point, using Bona Sportive Paint, or after the first application of Bona Sportive Finish if two applications are being made. Alternatively the floor may be left for up to 24 hours but, if this is the case, then the final two steps of the preparation process must be repeated to ensure that good adhesion is achieved.

Bona sportive system works well with Boen UV-finished sports floors; but the intercoat adhesion must always be checked prior to overcoating – see the Bona Prep product information. N.B. Floors

which have been previously treated with wax, polish or similar products cannot be overcoated.

Bona does not intend to offer a warranty that says that a floor coated and maintained with Bona products will last for x number of years. There are too many variables outside of Bona's control since the floor's lifetime is strongly influenced by the way it's maintained. Our policy is instead to offer quality products and a high level of customer support, involving both written information and on site visits, at all points in the lifecycle of a sports hall floor.

For advice or training of the Bona Lifetime Support System Sportive you always can contact us.