

Installation Instructions

Proflex M S'Match-It

29 02 2012



NOTA BENE

As a natural and living material, wood is moving due to relative humidity (RH). The wood shrinks in dry conditions and it expands in high relative humidity. In areas where the wood has been influenced by high or low RH for a longer period, damage in the wood may arise. Therefore it is important to keep the RH in the hall between 40-60%.

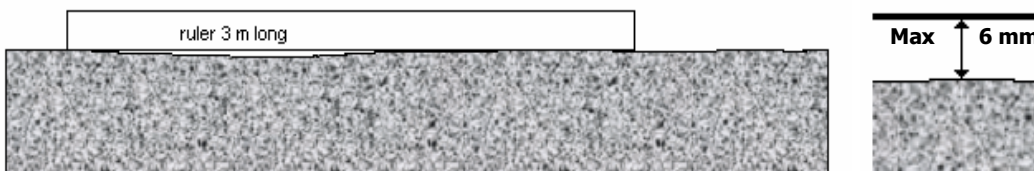
In order to provide the customer with the best use of product, this installation guide has to be followed carefully to guarantee conformity and ensure sports performance. If not, Tarkett Sports will not be responsible for damages following installation. Any use of the product for purposes other than the ones set out in the conditions of use should be submitted to Tarkett for prior approval. If you need any further information, please contact your dealer who will provide you with the appropriate advice.

I. Specification conditions before installation

I.1. Unevenness of the support



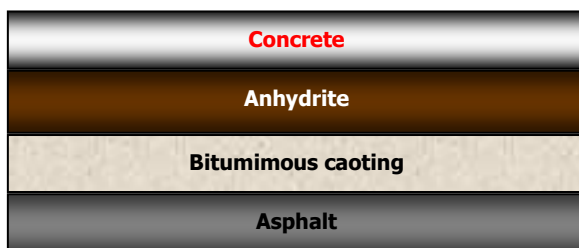
Following Standard EN 14 904 §5.11, all holes and bumps must not exceed 6mm height and/or depth, under the 3 meters long ruler. Before installing any part of both systems, Reflex and Proflex, make sure this part is checked and in conformity with this Standard.



I.2. support water content



Moisture rate in the screed must be in accordance with the local requirements i.e. in France < 4.5% (concrete) - in Germany < 2% (concrete) anhydrite in France and Germany <0,5%.... Compatible subfloors



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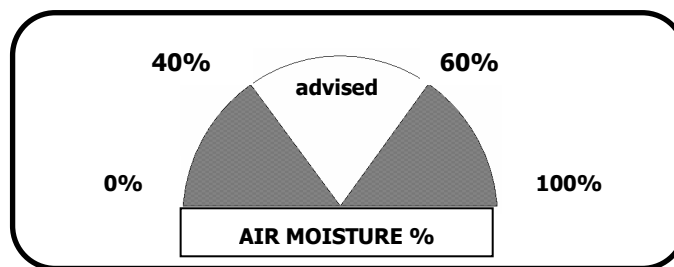
I.3. Atmospheric conditions



The timber products must be stored on their wedges, in a dry, heated indoor area – between 15 and 20°C (between 59 °F and 68°F), which means protected against wind and bad weather.

The packaging of timber products must not be removed before starting the installation.

The relative humidity must be between 40 and 60%.

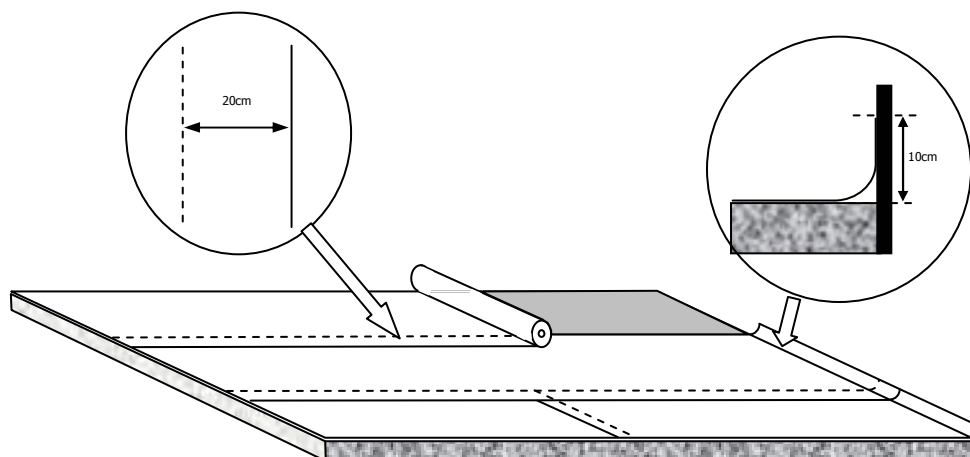


II. Installation of the under construction

II.1. Tarfilm

Lay the first sheet on the ground. The second sheet is laid with 20cm overlapping the first, then tape the both sheets together. Do not forget to leave 10cm of Tarfilm along the edges against the walls.

Please note that on an asphalt screed or any other sub-floor with a risk of pollution or possible high humidity content, you will have to double the layers in a 90° direction.



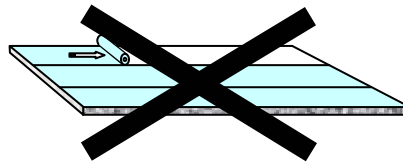
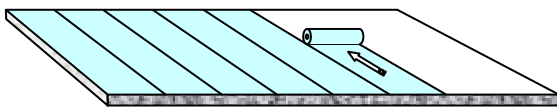
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II.2. Tarfoam

Tarfoam shall be unrolled along the width of the hall

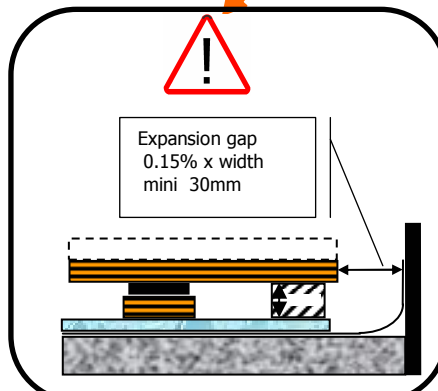
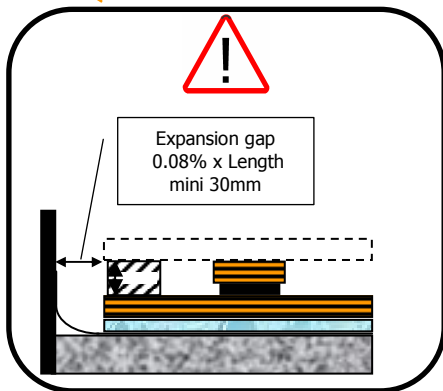
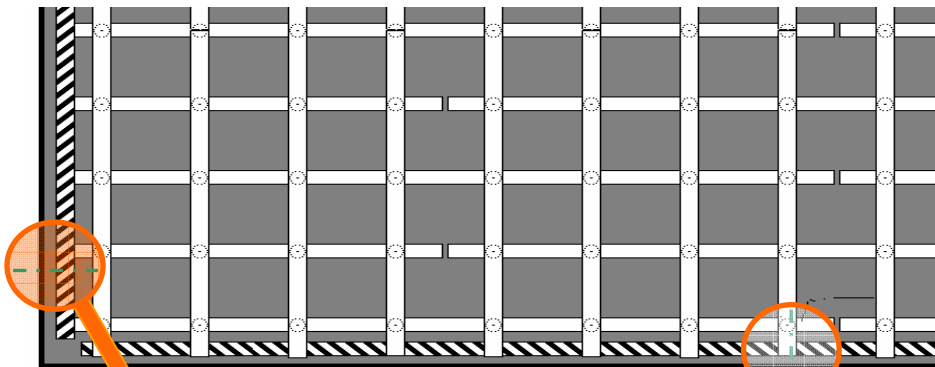


Special recommendation around trapdoors and thresholds :

Do not install foam strips smaller than 10 cm.



II.3. Define the Expansion gap



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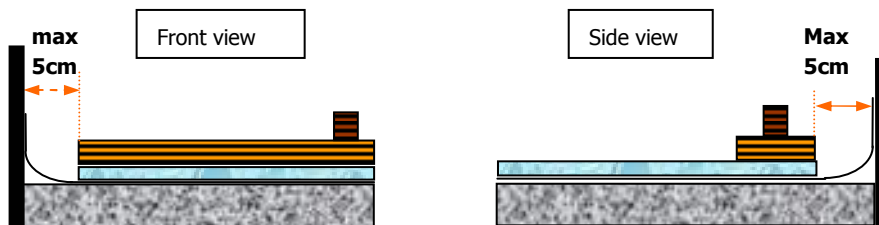
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III. Double joists system for Proflex M

III.1. Installation instructions

III.1.1. First joist

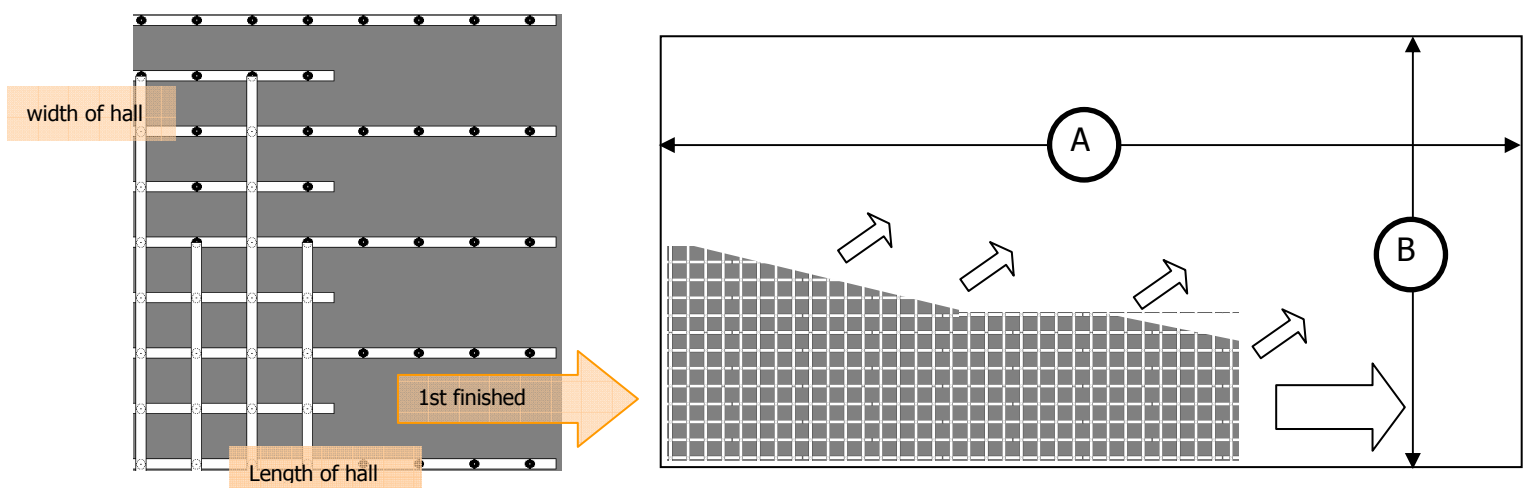
The first batten of Proflex M is laid on foam in lengthwise direction of the hall. Joists should not be installed closer than 5cm from the wall. This procedure allows the flexibility of the wood floor's border.



Lay on foam the first batten

III.1.2. Central joists

Use the special tool to space the joists, begin to lay on the foam 10 joists, with an alternation of short (1/2 joist) and normal joist, as the schema below. Insert rubber pad inside the tongue. Then, place the other batten on the pad. We advise to complete the installation of the first row of joists, before finishing the width of hall.



Proflex M general view of installation

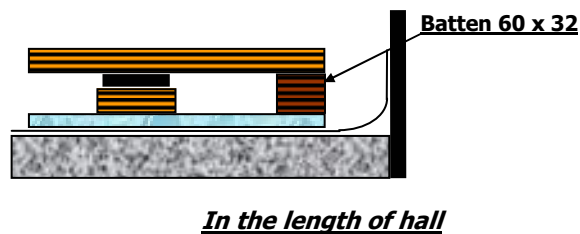
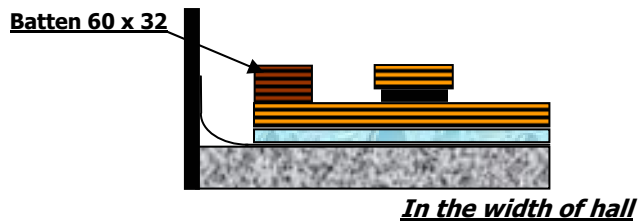
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III.1.3. Last row of batten

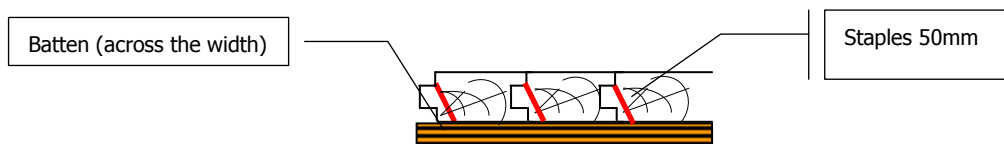
If the distance of the last joist exceeds 5 cm, an additional joist must be laid on foam to support the end of the wooden floor. It is a square batten 60x32mm that will be required.




IV. Anchoring the boards

IV.1. General Views

The boards of the strip flooring shall be fixed to battens using 50mm pins. Affix the board to the batten through the tongue. Position the staples at the back of the tongue and drive it diagonally (from 30° to 45° angle) into the board (see diagram below).

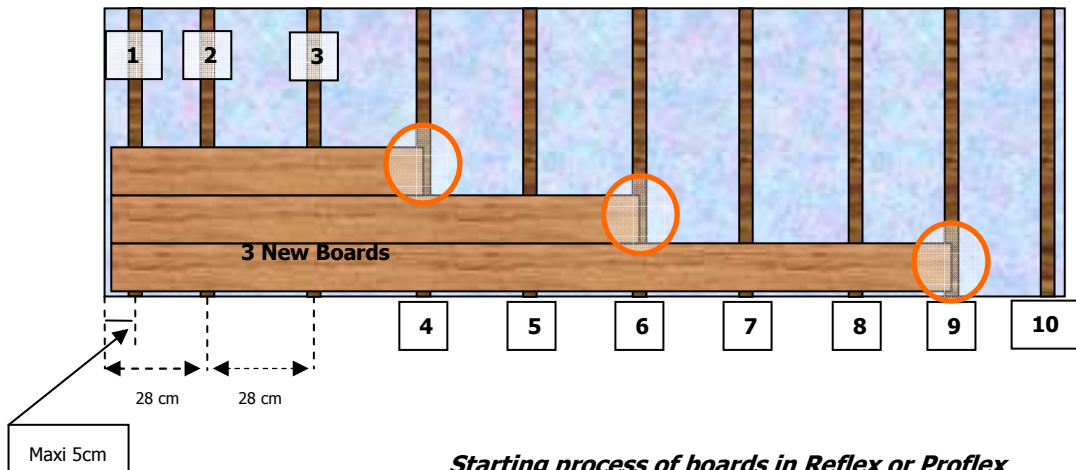


 Wood floor boards are always fixed on three joists. Start installing the first three rows of wood floor with a full board. **These 3 boards must be glued on joists.** The boards must be installed **staggered**, it is the easiest way to be sure that all the shorts wedges are laid on a batten. Following this procedure, shorts wedges are never in the same direction.

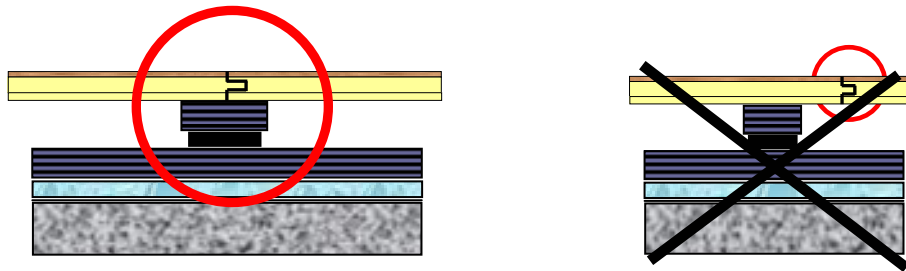
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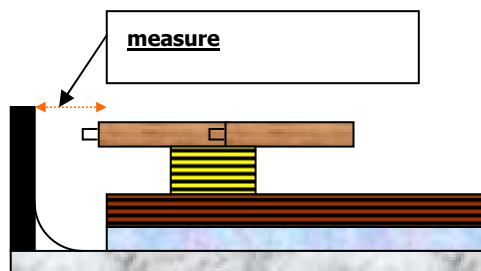


This picture shows clearly where the wedges shall be installed. It is required to do so



IV.2. Last wood floor board

Every floor has special dimensions. Therefore the last board is usually not a full board. Normally the last row of wood floor before the final row, has a tongue.



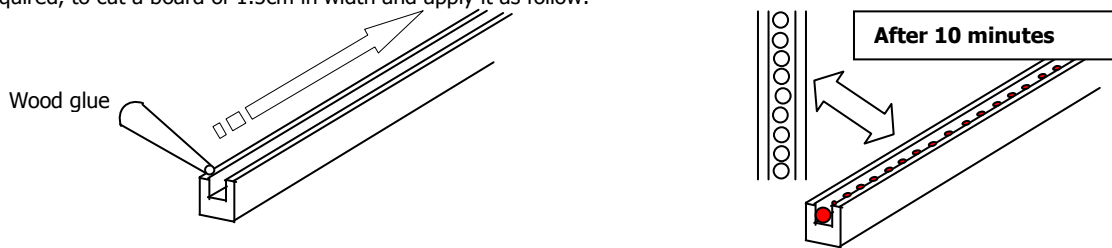
For instance, if a gymnasium measures 20 meters width, and you have 4.5cm left to reach the wall, you need to consider the expansion gap: $0.15\% \times 20 = 3\text{cm}$.

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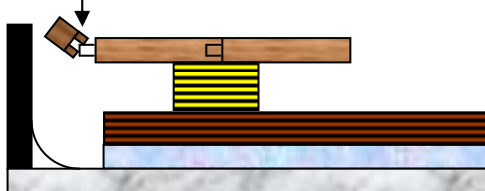
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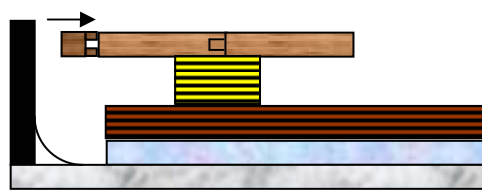
Therefore, it is required, to cut a board of 1.5cm in width and apply it as follow:



Apply a glue line quickly. When a few glue drops are observed, it is the right time to stick the board into the tongue.



First, present the groove at 45° on tongue, and push as much as you can



Second, use end wood floor former tool and a hammer to push, as a normal board, the last row of wood floor.

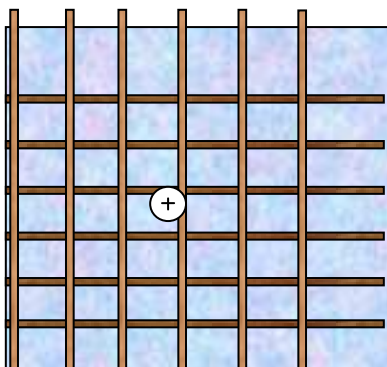
V. Fixing the trap Door

V.1. Mark location where trap door will be placed

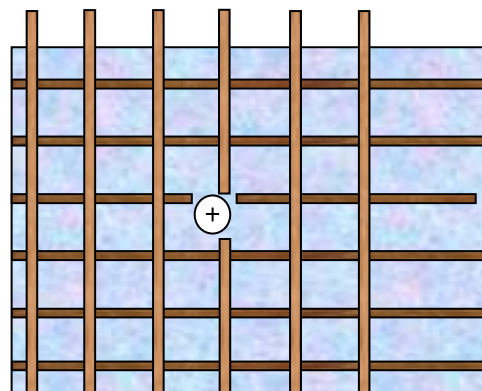
Make a short mark on foam. The most important thing is to place the centre of the trap door. After this, draw a circle with the appropriate diameter (in accordance with the trapdoor chosen).

When the trap door is located and marked, install the joist on the foam (scheme 1).

On the area of trap door, you must cut the joist (scheme 2)



(1) Mark the trap door



(2) cut the joist around trap door

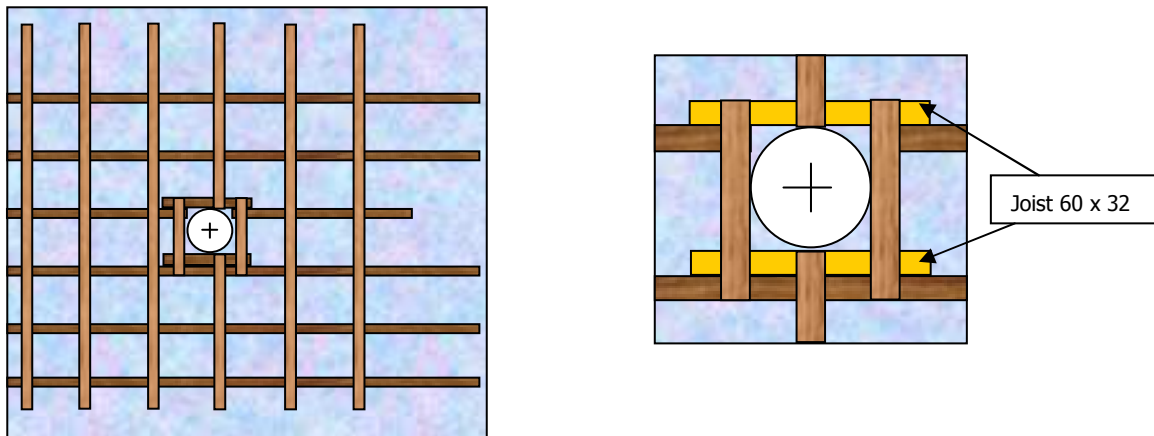
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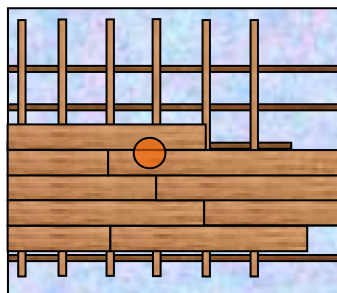
V.2. Cut the joist

At the location where the trap door will be installed, cut the joist around the mark. This location becomes a **weak point** which must be reinforced. Ensure yourself that every wood floor board is supported by a joist. Only, use a joist in 60 x 32 mm. Make sure the joists are fixed on a 22 mm mortise. For the best grip, use wood glue and screws to fix each other.



V.3. Installation of trap door

After having laid the top layer, locate the centre of anchor. Form a circular recess – diameter 210mm, check the diameter of the trap door before perforating the wooden floor.

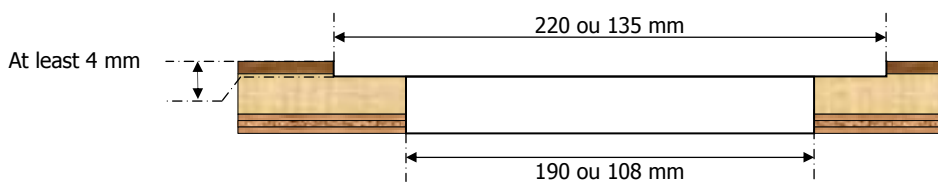


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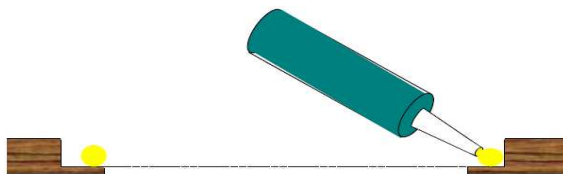
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Form a circular recess adapted to the trap door you chose (check the diameter before cutting the wood floor).



Glue the frame using PU adhesive



Clean the frame carefully



Game lines marketing

1 Permanent marking

- Blanchon Thixo Tracé – Blanchon SA – phone number : +33 4 72 89 06 00 – www.blanchon.com

- Conipur 45 – BASF AG – Phone number +41 58 958 22 44 – www.conica.com

- Kipp – Indoor paint 2K for lines marking and Indoor paint 2C for painted surfaces – www.kipp-markierungen.de

Follow the manufacturers' recommendations.

2 Temporary games lines marking

3M – reference 471 – 5 cm width – www.3M.com

Follow the manufacturers' recommendations.