

Installation Instructions

Lumaflex Classic & Duo Wood

17 02 2010



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.

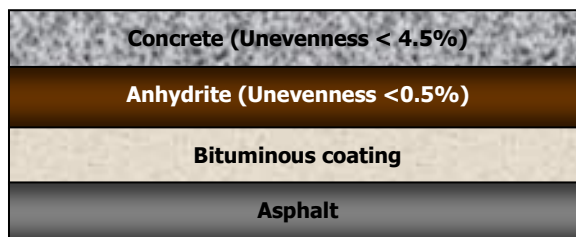
Any use of the product for purposes other than the ones set out in the conditions of use should be submitted to Tarkett for prior approval.

If you need any further information, please contact your dealer who will provide you with the appropriate advice.

THE SUB BASE – STANDARD NF P 90 202

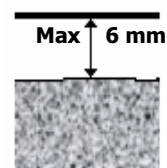
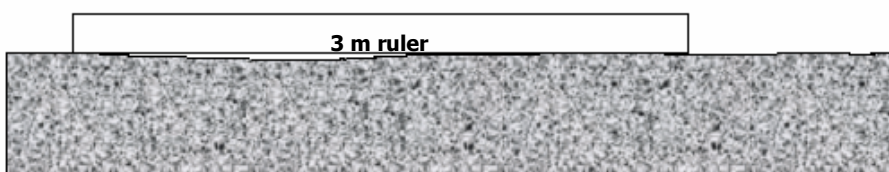
1 Moisture content of the sub base - Standard NF P90 202/§4.9.2

The moisture rate in the screed must not exceed 4.5%.



2 Floor Unevenness - Standard NF P90 202/§4.9.3

It has to be checked to make sure all holes and bumps do not exceed 6mm height and depth under the 3m ruler.



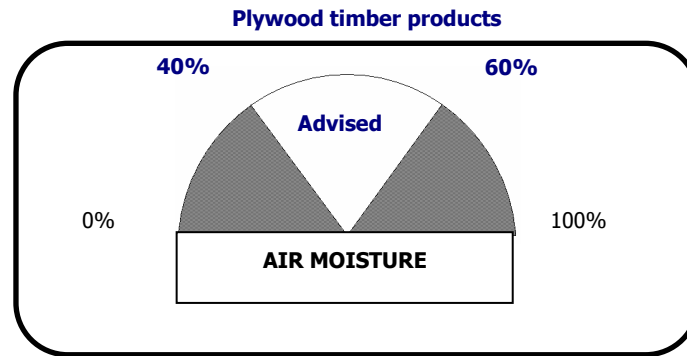
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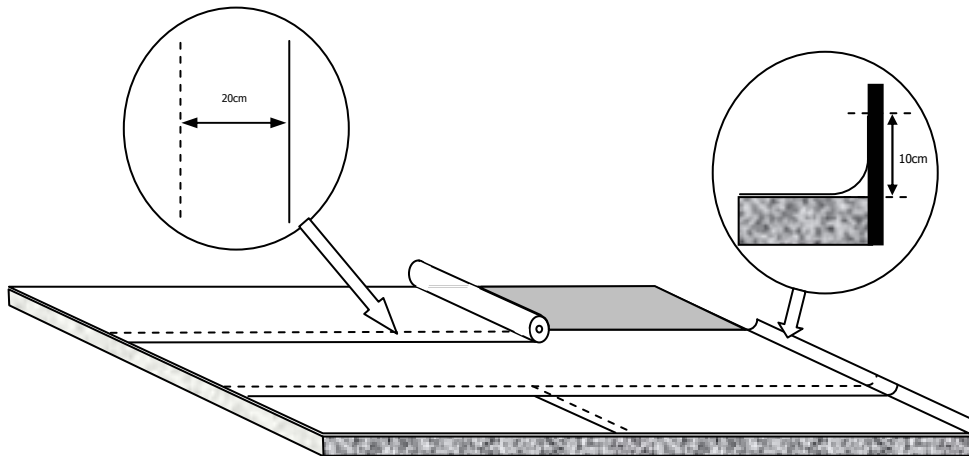
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Conditions during storage and installation

The timber products have to be stored on their wedges, in a dry, heated – between 15 and 20°C (between 59 °F and 68°F) - indoor area. The packages of timber products must not be opened before being installed.
The temperature needed, in a room for a Lumaflex system should be between 15 and 20°C (between 59 °F and 68°F), the relative humidity must be between 40 and 60%.



Laying the 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 but in a 90° direction.

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Unrolling the Tarfoam 15mm

For a Lumaflex system installation, roll out the foam down the length or across the width of the area. We recommend unrolling on the width of the room, for those that are less or equal to 24 m width in order to avoid seams in short ends. In order to lock up the rolls in the short ends, we recommend taping the rolls one to another.

When you lay the foam you may have to cut a roll and to connect it with another, so you will have to overlap the first roll with an extra width of 10cm. Then the foam will have to rest 12 hours to adapt (without any storage on it), then you will be able to cut off the extra overlapping to get a flat aspect.

Do not forget to locate the centre of the anchors on the foam, that will help you to install the trap doors (see paragraph 7 "Fixing the trap door" picture 1).

In door openings, leave a 10cm wide strip free from tarfoam; this should be filled with a 15mm plywood for re-enforcement purposes. The same operation can be carried out to re-enforce parts that support heavy loads but you must keep in mind that these areas won't be in accordance with the EN14904 standard.

Laying of Lumaflex Panels



Backside of the Lumaflex panel – this side must be installed on the foam



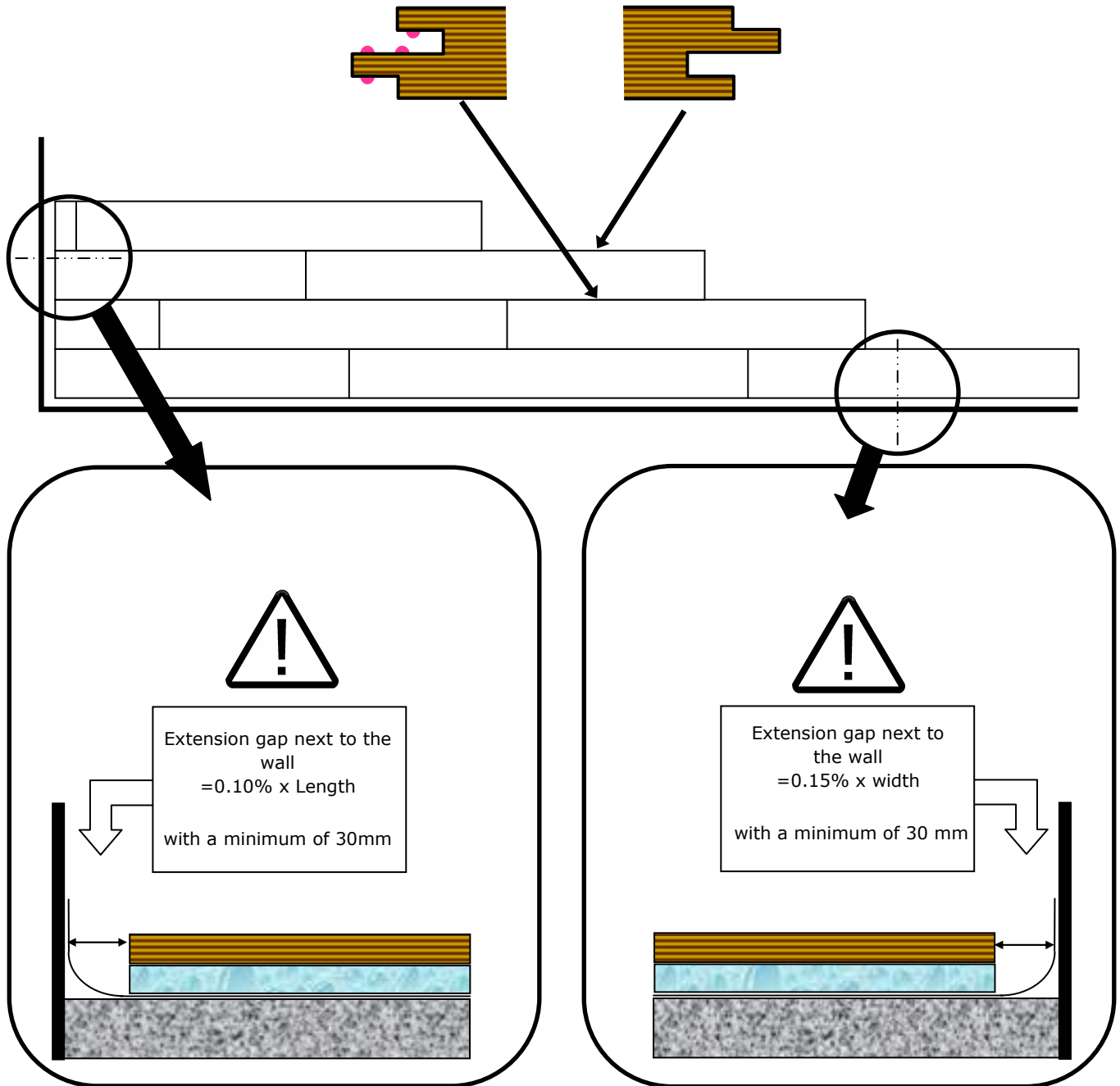
Cut the Lumaflex panels in order to obtain an homogeneous resistance Before assembling (the 3 first strips on this photograph)

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Laying process of the Lumaflex panels – Glueing tongues and grooves by using the Emfi special glue reference 863 sold by 10kgs seals – www.emfi.com.



Check that the glue is well dispatched on tongue and groove.

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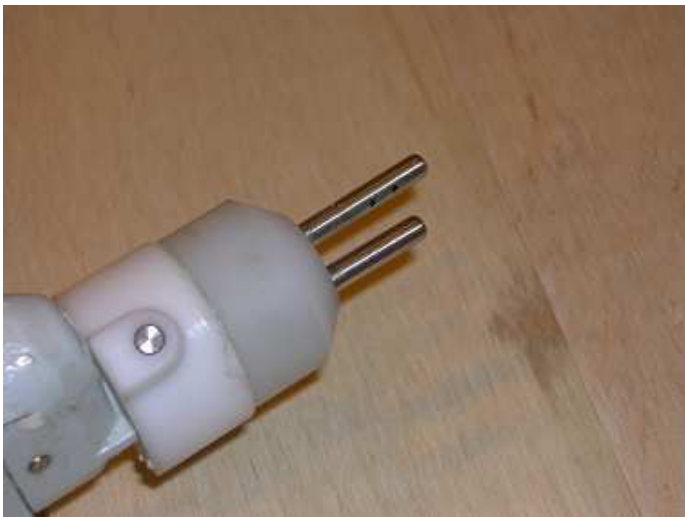
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A special nozzle can help to spread the Emfi special efficiently on the tongues and grooves – This accessory is available – ask Tarkett Sports.

This nozzle often has to be cleaned up in order to prevent this item from getting blocked up. The glue consumption is about 10kg for an area of 200sqm. You must check that you handle the correct quantity of glue to obtain a good adherence of the panels and a homogenous structure, if less glue is used, the fixing will be considered to be non-compliant.

Lumaflex Nozzle

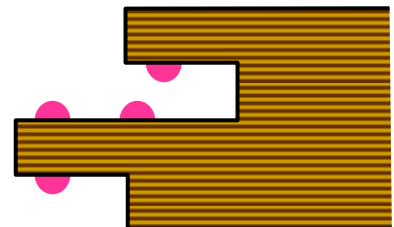
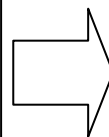
Glue applicator – manufacturer Lamello reference LK10 (=10kg)
Pipe diameter 10 – 4m long – gluing gun ref. LK0
Site: www.lamello.com



To use properly these items you need an compressor of 10 bars pression, with a tank capacity of 100liters and an air output of at least 275l per minute.



Don't forget to check constantly that the appropriate quantity of glue is applied.



Be careful

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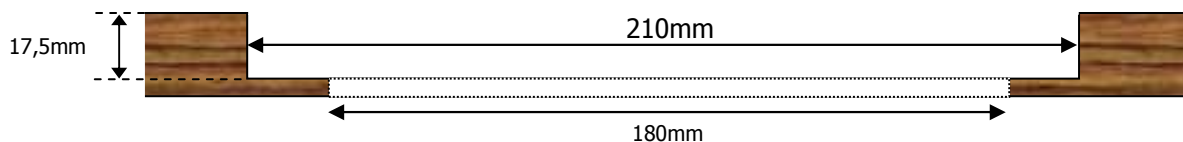
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At the end of the installation of the Lumaflex system, if the flatness isn't correct at the junction of the panels, a sanding should be handled.
If the Lumaflex installation is not flat enough, you may have to sand the area

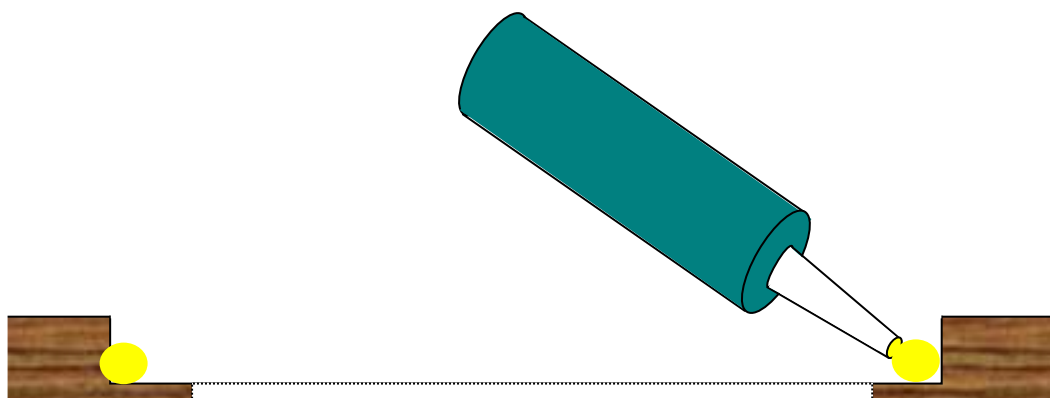


Fixing the Trap Doors – unfilled ones

When installing the foam and the Tarflex panels, locate the centre of the anchor, form a circular recess according to the sizes mentioned on the drawing below (check the diameter and the depth of each part of the trap door, before perforating the wooden floor). Fill in the top of the trap door with a appropriate plywood by sticking it with a PU glue.



Put the PU glue all around the upper recess you created.

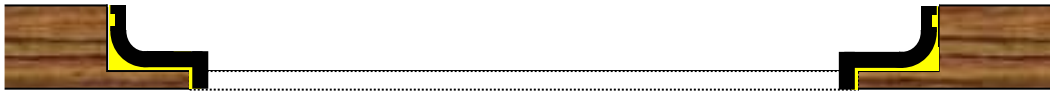


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Clean the frame carefully with acetone



Place the top filled with plywood on the frame

