

gymflex

solid sports flooring

if you want a leg-up....install a gymflex sports floor



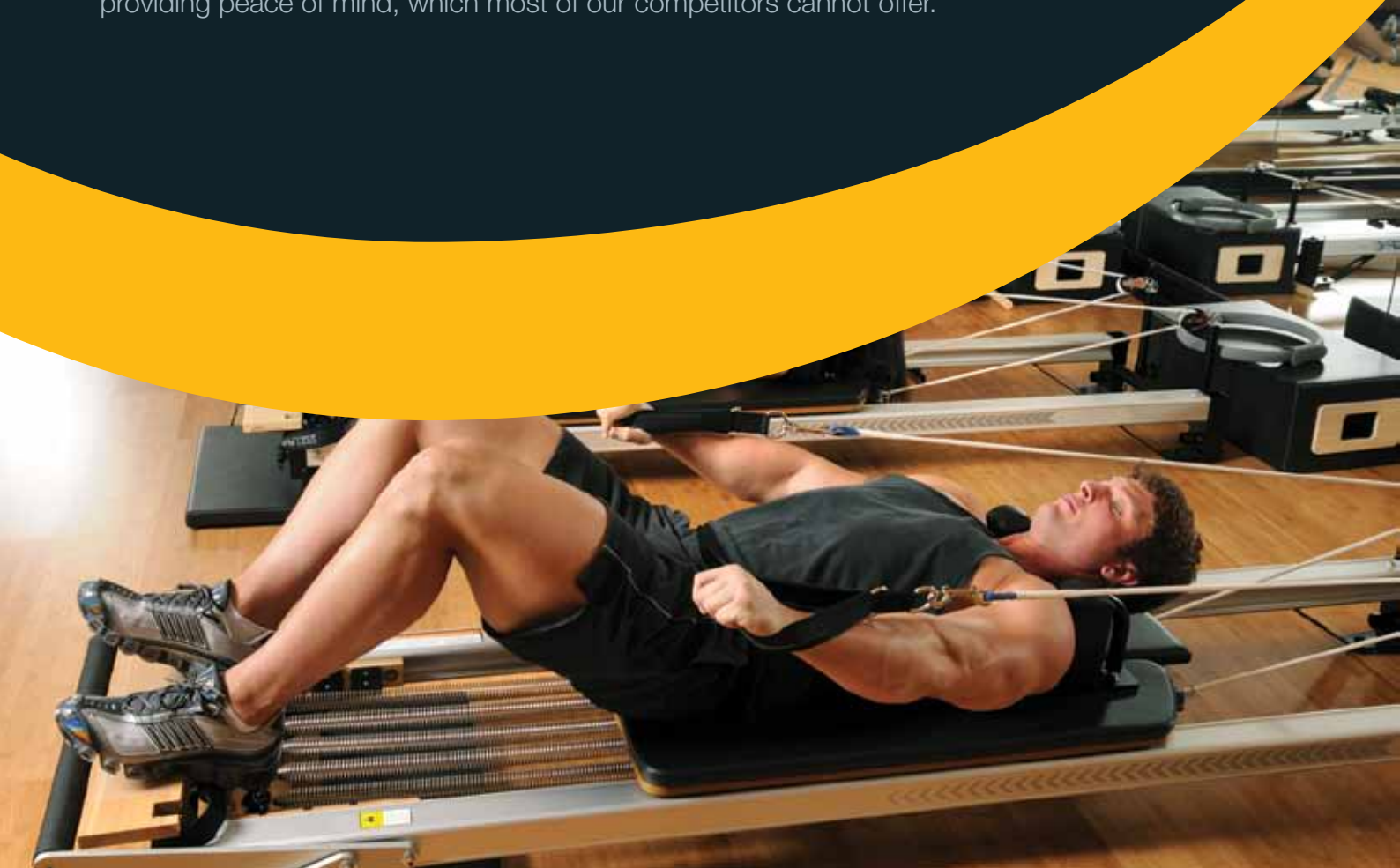
gymflex forms part of  gfs

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Gymflex solid hardwood flooring is a premium quality pre-finished timber floor suitable for both domestic and commercial applications. The floor is available in a Maple 2 strip board, with the added option of Nature grade or Select grade. If you are looking for that contemporary look for your school gymnasium, assembly hall or church hall then Gymflex will provide the ideal solution.

The flooring comes complete with a 20 year structural warranty providing peace of mind, which most of our competitors cannot offer.



perfect for school gymnasium, assembly halls & church halls

The versatility of Gymflex is demonstrated by the numerous fixing methods available. The floor can be floated over a concrete sub-floor by using the Gymflex clip system, glued down over concrete, or nailed to batten/joists.

All these applications when fitted in accordance with manufacturer's fitting instructions are guaranteed with under floor heating.



Timber sports floors have traditionally been fitted using Maple because of its stability and hardness. These characteristics together with 5 coats of hard wearing acrylic lacquer make Gymflex square edged 2 strip Maple perfect for school gymnasiums, assembly halls and church halls. To compliment the flooring we offer a range of under-carriages, which have been tested to ensure the floor will perform to the highest Sports Council Standards.



Nature Grade

Nature Grade may contain any combination of sapwood and heartwood with all colour and variation allowed. Shakes are not permitted. Also sound live knots of any size are permitted. Dead knots and holes with diameters up to 6mm are allowed.



Select Grade

Select Grade is selected for consistent overall appearance, clear of any defects on the face side. It may contain small sound live knots. Hairline cracks are allowed. Shakes spots are not permitted. Small colour variations must be expected.

flexbat^{system}

foam backed battens create a superb sprung floor



The Flexbat system is made up of softwood battens of 3 different thicknesses, 31mm, 45mm & 54mm.

Each of these include a 9mm thick specially resilient foam strip adhered to the underside. They come in 1800mm long strips and can be preservative treated if required.

The Flexbat System is the simplest of our fitting systems offering a mid-range shock absorption and resilience at a budget price. It is fast and easy to install over a flat, level sub-floor and creates a superb floor for many sports and activities.

Advantages

- Multi-purpose use at a budget price
- Conforms fully to BSEN14904 area A3
- 1st choice for squash and racket ball courts
- Suitable for underfloor heating
- Fast and easy installation

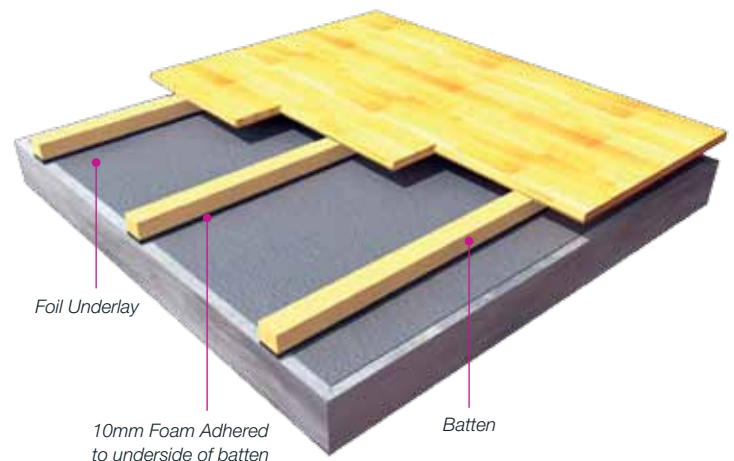
There is a choice of 3 main thickness of batten as indicated below.

flexbat⁵³ (includes 31mm batten plus 22mm hardwood floor)

flexbat⁶⁷ (includes 45mm batten plus 22mm hardwood floor)

flexbat⁷⁶ (includes 54mm batten plus 22mm hardwood floor)

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Test	1	2	3	4	Average
A	4.3	4.4	4.8	4.8	4.6
B	4.3	3.9	3.5	3.9	3.9
C	2.8	5.3	4.4	4.6	4.3
D	4.3	4.1	5.5	4.4	4.6
E	2.4	3.8	5.3	4.4	4.0
Average	-	-	-	-	4.3
Std. Deviation	-	-	-	-	0.77

Brinell Hardness Numbers for Gymflex 2 strip Maple

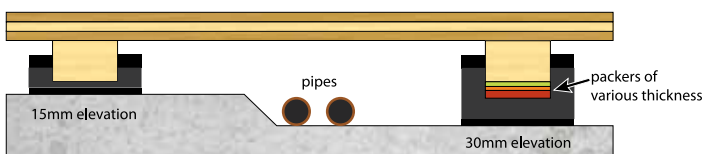
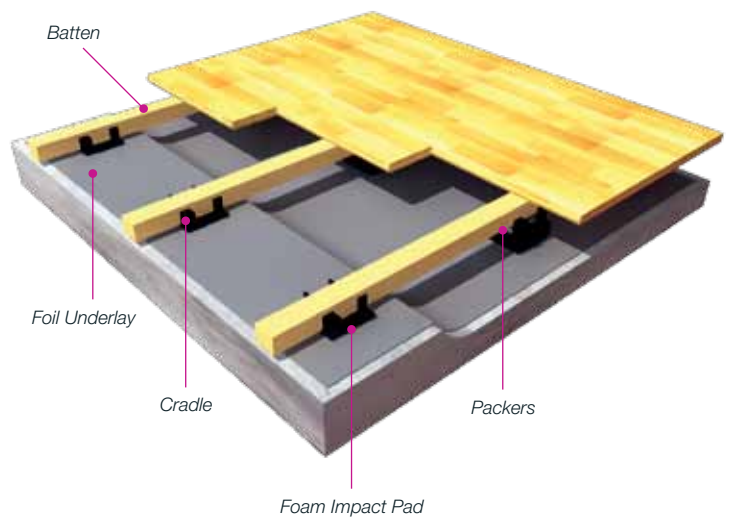
Brinell Hardness Test

The Brinell Test is an industry standard test that reflects the PSI tolerance of a surface - in our case, a floor. The test measures the effect of pressing a small steel ball (with a diameter of 10mm) similar to high-heels or furniture legs, into the flooring with 100KN (220.5 lbs.) of fixed force. More than 50 impressions are made on several samples of the wood. The diameter and depth of the indentations are carefully measured to determine the hardness. This testing method is the most relevant and realistic method to determine surface hardness of wood floors.

The Cradle system is a dry floating floor which provides an easily levelled understructure for supporting hardwood flooring. It can cater for underfloor heating and can facilitate existing piping or cabling systems.

It is very common for cast insitu concrete floors and precast concrete planks to be uneven. Both have cambers and deflection characteristics which necessitate the packing of timber floating floors to achieve a level floor finish.

The Cradle System incorporates a black polyethelene block with foam rubber base for higher performance characteristics to the higher A4 level of the standard. Packers are used to level out any unevenness in the floor. This system is for high performance use across all sports, multi-purpose and activity floors.



Advantages

- High performance use
- Quick and easy levelling of uneven floors
- Ideal for high level dance
- Effective reduction of impact and airborne sound
- Eliminates wet trades
- Weight saving compared to screeds can reduce foundation costs
- Accurate packing reduces creaking floors
- Provides void for services, insulation or underfloor heating
- Conforms fully to BSEN14904 area A4



cradle^{system}

a new standard in floor levelling systems

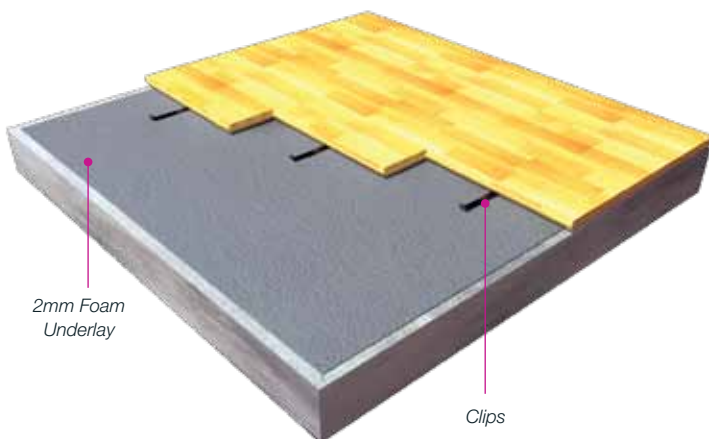
clip system

a clean installation that you can use immediately



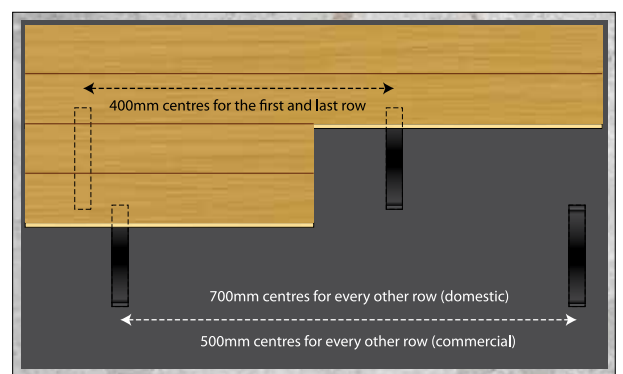
Humidity levels are probably the most important factor in respect of achieving a successful floor which will give years of trouble free service. The ideal humidity level for the Gymflex Clip System flooring is between 35% and 65%. However, because of the 2 hole clip which allows for further expansion, humidity levels are acceptable up to 80%. This makes Gymflex an excellent choice for the Irish market.

Gymflex Clip System Floors can be laid upon most types of dry, level sub-floor, including sand and cement screed, and timber such as floor boards, chipboard, plywood etc. If the sub-floor is concrete the moisture content must be no more than 3%. Regardless of the type of sub-floor, it must be level with a gap no greater than 3mm over a 3metre straight edge.



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Quick to apply, yet structurally stable, this floating floor is perfect for underfloor heating as it adjusts to seasonal changes in temperature and humidity. Impact noise is significantly reduced - making it perfect for multifloor buildings. When installed with the Gymflex Clip System, the finished floor is only 1-2 millimetres higher than the floor board itself.



Clip Usage :

Size 129.4mm

(suitable for both 20.5mm and 22mm product)

Domestic :

Laid at 400mm centres first row.
700mm every other row and 400mm for the last row.
approx. 14 clips per m²

Commercial :

Laid at 400mm centres first row.
500mm every other row and 400mm for the last row.
approx. 17 clips per m²



Church Hall, Newtownards

Some References :

Donaghmore G.A.A, Co. Tyrone	Flexbat System
St. Fanchea's College, Enniskillen	Clip System
Rathmore Grammar School	Flexbat System
Greenisland Presbyterian Church	Clip System



Letterkenny Institute of Technology

Warranty :

We are pleased to offer the following warranty on our Gymflex systems and flooring products based on our recommended installation guidelines being followed and compliance with our floor maintenance procedures and specific relative humidity conditions in the room of installation :



Letterkenny Institute of Technology

Under this Warranty we warrant that all our products meet all the industry quality standards specified for each product category. This Warranty applies to residential and light commercial conditions, such as sports halls, church halls, leisure centres and schools etc...

Normal environment conditions mean that heating and ventilation systems should be designed to maintain interior relative humidity level (in the air) between 40% and 60% all year round, to ensure the best performance of the Gymflex sports flooring.



Rathmore Grammar School

For full terms and conditions along with full structural warranty and claim procedures, please contact your Gymflex agent.

references & warranties

for peace of mind and a product you can trust



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