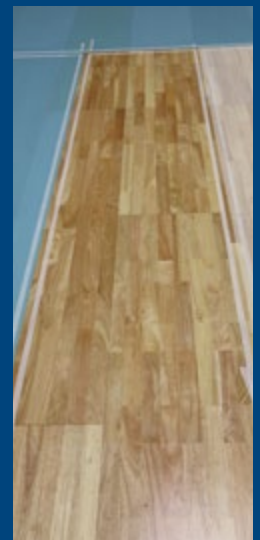




PROFESSIONAL PORTABLE SPORTS FLOORING



WHERE PERFORMANCE MEETS PERFECTION

KTL Professional Portable Sports Flooring

KTL Portable Systems are the ultimate floor solutions for sports halls, arenas and commercial areas where flexible floors are required. **KTL** offers different portable systems, each designed to meet specific demands and performance criteria.

Unique features:

- Flexi-Lock clip/nylon connections for fast, safe and tight connection at all time of the light weight panels.
- All floor solutions are individually supplied with customized wood moisture to suit specific local climatic conditions, securing full stability of panels from day one. No on-site conditioning required! Lacquered on both front and back side for optimal stability of panels.
- Customized court designs.



Flexi-lock



Integrated ramps



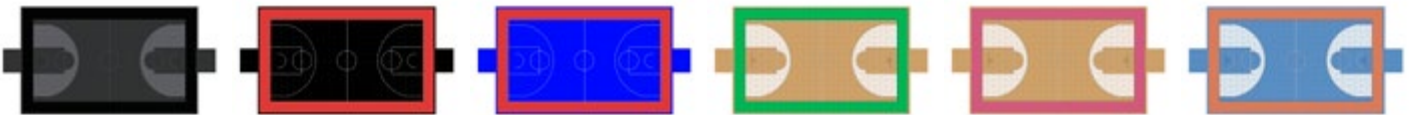
MC control during transport



Customized court designs

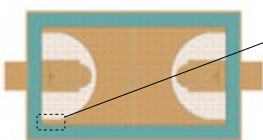
Design you own floor

- Customized lay-out plan, including integrated ramps and prefinished individual color designs to suit e.g. club colors. All applied in factory directly on the bare wood, and covered with a 6-layer lacquer system for maximum protection.

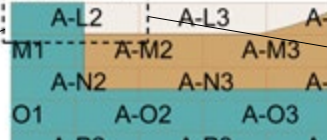


Case: Palacio de los Deportes, WeZink Center, Madrid, Spain (Front page photo):

- Home field for Real Madrid and Estudiantes Basketball clubs. A total of 750m² **KTL Portable PRO Summit** was supplied in the summer 2017. This is how we did it. Step by step.....



Step 1:
Court/color design agreement.
(RAL colors).



Step 2:
Acad drawing with exact color position on each panel, incl. unique numbering, is made.



Step 2A:
Example: Panel produced in solid turquoise, white transparent and wood, according to drawing A-L2, with a 6-layer lacquer system on top for maximum protection and life span.

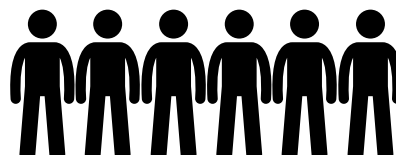
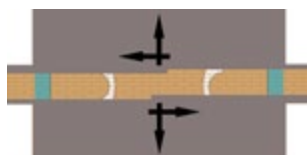


Step 3:
Installation of court upon arrival followed by application of game lines.

Note: A replacement panel, e.g. of A-L2, can be made individually as per the original Acad drawing and color design.

Installation and storage

- Supplied on trolleys, for easy handling, fast installation and a safe work flow. **KTL** covers to protect against dust and dirt during storage.
- Can be installed either from the center line or from a corner as per customer requests.
- Complete lay-out plan with panels and trolleys all numbered.
- Two teams, in total 6 men can install a standard basketball court of 630 m² in approx. 4 hours.



630 m²
6 people x 4 hours
> 25m²/manhour



Portable MULTI

- Two-layer system in 22mm solid hardwood over pre-fitted 10mm bonded foam.
- Designed for Dance and exhibitions, with non-shock loading applications.
- EN 14904, A3 compliance
- Moderate loading capacity: 4.0 kN
- Panel data: 2.18x0.55m/1.2m²/20-22 kg/panel
- Customized moisture: 6-12%
- Up to 43 panels per trolley

Wood species



Gloss levels



Customized coloring



Portable PRO PLY

- Three-layer hybrid system in 21mm birch plywood over plywood strips and 10mm bonded foam.
- Designed performance characteristics, suitable for athletes in a wide range of sports.
- EN 14904, A4 + FIBA level 1 compliance
- High loading capacity: 5.0 kN
- Panel data: 2.18x0.55m/1.2m²/23 kg/panel
- Customized moisture: 8-10%
- Up to 36 panels per trolley

Wood species



Gloss levels



Customized coloring



Portable PRO

- Three-layer system in 22mm solid hardwood over plywood strips and 10mm bonded foam.
- Designed with high shock absorbency characteristics, suitable for athletes in a wide range of sports.
- EN 14904, A4 + FIBA level 1 compliance
- High loading capacity: 5.5 kN
- Panel data: 2.18x0.55m/1.2m²/22-24 kg/panel
- Customized moisture: 6-12%
- Up to 33 panels per trolley

Wood species



Gloss levels



Customized coloring



Portable PRO SUMMIT

- Three-layer system in 22mm solid hardwood over full plywood and 10mm strips of bonded foam
- Designed for top level athletes in Basketball and other fast ball games. Chosen when only the ultimate performance in professional sports is in demand.
- EN 14904, A3 + FIBA level 1 compliance
- Max. loading capacity: 7.0 kN
- Panel data: 2.18x0.55m/1.2m²/28-30 kg/panel
- Customized moisture: 6-12%
- Up to 33 panels per trolley

Wood species



Gloss levels



Customized coloring



*) For test results, see table page 4



Estudiantes plays at the WiZink Center, Madrid, Spain.

KTL is among the market leaders within innovative sports floor solutions, including this wide range of easy-to-lay portable floor systems. All systems are tested by Danish Technological Institute, Aarhus, Denmark and in the table below you find the complete set of test results.

KTL Portable Floor systems		Requirements, mobile floors			Test results			
Test method	Standard	EN 14904, Class A3	EN 14904, Class A4	FIBA rules 2017, Level 1	Multi Class A3 + Level 1	PRO PLY Class A4 + Level 1	PRO Class A4 + Level 1	PRO SUMMIT Class A3 + Level 1
Shock absorp., KA %	EN 14808:2005 Uniformity:	40-55	55-75	Min. 40 ± 5 %	50 % ± 4 %	59 % ± 2 %	59 % ± 2 %	43 % ± 2 %
Vertical def., mm	EN 14809:2005 Uniformity:	1.8 - 3.5	2.3 - 5.0	1.5 - 5.0 ± 0.7mm	2.1 mm ± 0.6mm	3.0 mm ± 0.6mm	3.0 mm ± 0.6mm	1.9 mm ± 0.3mm
Ball rebound, BR %	EN 12235:2013 Uniformity:	≥ 90 %	≥ 90 %	≥ 93 % ± 3 %	99 % ± 1 %	97 % ± 1 %	97 % ± 1 %	98 % ± 1 %
Rolling Load, N	EN 14904:2006	> 1500 N			> 1500 N			
Friction	EN 13036-4:2004	80 - 110			Matt gloss, 22%: 100; Semi-gloss, 40%: 110			
Indentation	EN 14904/EN 1516	≤ 0.5mm			≤ 0.1mm			
Impact	EN 14904/EN 1517	≤ 0.5mm			≤ 0.2mm			
Specular gloss	EN 2813	≤ 45% lacquer			≤ 45%			
Resistance to wear	EN ISO5470-1	Max. 80 mg			≤ 80 mg			
Specular reflectance	EN 13745	Classification			±11-48%			
Other Tests								
Friction	DIN (prEN 14903)	Min. 0.4, max. 0.7			Matt gloss, 22%: 0.41; Semi-gloss, 40%: 0.45			
Loading capacity, N	EN 1533	> 4000 N			> 4000 N	> 5000 N	> 5500 N	> 7000 N

The company is well known for its high quality products and its ability to offer unique customized flooring solutions that matches local climatic conditions all over the world.



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