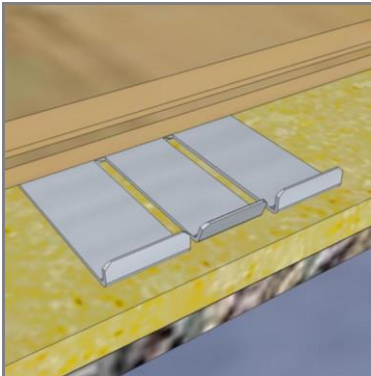


SPECIFICATION OF KTL SPORT PORTABLE PRO SUMMIT V2 SYSTEM



KTL SPORT PORTABLE PRO SUMMIT V2 SYSTEM is an area-elastic sports floor, based on 7/8" (22mm) solid hardwood 8-strip or multi-strip panels, laid floating in a brick pattern on an existing sports floor or on levelled concrete. The panels connect to each other on all sides by means of the unique flexi-lock system. The panels come with a supporting full plywood underlay. Total construction height including KTL 3/8" (10mm) sports foam strips is 1-3/4" (44mm) including full 1/2" (12mm) plywood layer.

The sports performance of this floor features high shock absorbency and resilience, an ultimate ball bounce and stability under foot, designed for ultimate top level sport usage with focus on fast ball games. Tested and conforms fully to EN 14904, Class A3 standard and FIBA Level 1. (FIBA License no.: WF73-07).

COMPOSITION OF FLOOR SYSTEM

1. Floor panels:

1-5/16" (34mm) thick panels based on 7/8" (22mm) panels, made as a solid 8-strip or multi-strip hardwood panel on full 1/2" (12mm) plywood underneath. Panel sizes, 1/1: 1' 9-21/32" x 7' 1-13/16" (550x2180mm); 1/2 panels: 1' 7" (1090mm) long.

Wood species: Ash, Beech, Hevea, Maple, Merbau and Oak.

Grades: Premium/AB (standard) and Select/ABC

Surface: Matt lacquer (standard), semi and high gloss (factory finish).

Panels are lacquered on backside. Factory painting on request.

2. Flexi-lock system:

Each 1/1 panel has 3 flexi-lock connections where metal clips (male) are locked into durable nylon pads (females).

3. Elastic underlay:

The pre-fitted sports foam is a special durable open-cell bonded foam strips, providing resilience and long-term performance of the floor system. Density: 110kgs/m3. Thickness: 3/8" (10mm).

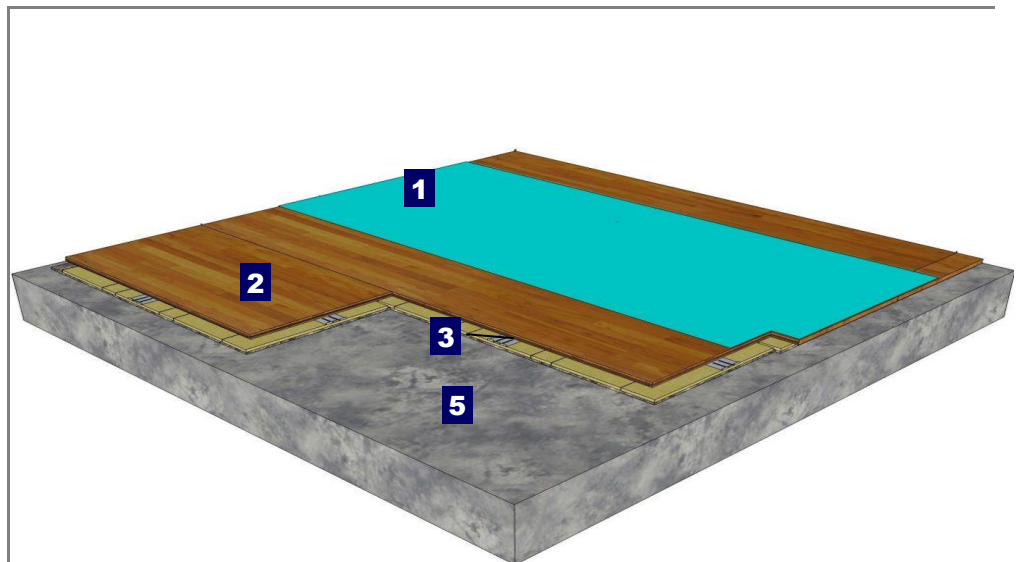
On artificial surfaces, the foam thickness is reduced!

4. Moisture barrier:

A polythene (Min. 0.20 mm PE-folio), on concrete. (Not illustrated on the drawing.)

5. Subfloor:

Concrete or existing sports floors, levelled to max. 1/8" on 7' (±2mm on a 2m) straight edge.



Material consumption at 1000ft²/100 m²:

- **Floor panels incl. plywood:** 77 pcs 1/1-panels and 14 pcs. 1/2-panels:
 Row 1, 3, 5...: 6 pcs 1/1 panels,
 Row 2, 4, 6...: 2 pcs 1/2 panels + 5 pcs 1/1 panels
- **Loose tongues:** 1 pcs per panel locking the end joints together
- **Underlay** Integrated, based on customer demand.
- **Ramps** Integrated, based on actual floor size.
- **Moisture barrier:** 1100ft² / 110 m² incl. overlap
- **Factory painting** **Club colors, safety zones and other designs can be applied as integrated customized base coloring on the bare wood, below the clear factory finish for maximum protection and life span.**
- **Line marking:** Line marking can be applied directly onto the factory finish, using a special 2-pack water-based paint system, and is ready for use.
- **Maintenance lacquering:** When maintenance lacquering is required, the floor is buffed before the maintenance coat of lacquer is applied onto the surface.

Performance:



FIBA 2000-2023 Level 1 certified
(FIBA License Number WF73-07)

EN 14904, class A3 certified

Sports functional features of KTL SPORT PORTABLE PRO SUMMIT V2 SYSTEM

Test method	EN Standards	EN demands acc to Class A3	Test result
Shock absorption [%]	EN 14904:2006	40 – 75	52
Standard deviation [mm]	EN 14904:2006	1.8 – 3.5	2.7
Ball rebound [%]	EN 12335:2004	≥ 90	97
Rolling load [N]	EN 1569	> 1500	> 1500
Surface Friction,	EN 13036-4	80 – 110	90 (17) 110 (40)
Other Tests			
Friction	DIN 18032	0.4 – 0.6	Gloss 22: 0.41 Gloss 40: 0.45
Loading Capacity	EN 1533	4.0 kN	7.0 kN

*) Tested by Technological Institute, DK.

Meet FIBA – Level 1 – requirements as well:

Test method	EN Standards	EN demands acc to Class A3	Test result
Shock absorption, KA %	EN 14808:2005	Min. 40 %	52 %
Vertical deformation, STV mm	EN 14809:2005	1.5 – 5.0 mm	2.7 mm
Ball rebound, BR %	EN 12235:2013	≥ 93 %	97 %
Friction	EN 13036-4:2004	80 - 110	90 (gloss 22) 110 (gloss 40)
Requirements re uniformity	EN 14808:2005	± 5 %	+3/-2 %
	EN 14809:2005	± 0.7mm	± 0.1mm
	EN 12235:2013	± 3 %	+1/-2 %

SPECIFICATION OF KTL SPORT PRO SUMMIT SYSTEM V2

Floor panels:

7/8" x 1' 9-21/32" x 7' 1-13/16" (22 x 550 x 2180mm) solid **[8-strip / multi-strip]** hardwood panel of **[Ash / Beech / Hevea / Maple/ Merbau / Oak]** in the grade **[Premium/Select]**, composed from rows of glued finger joined staves, assembled longitudinally by means of glued joints. The panels are milled with tongue and groove on all 4 sides and connected to each other by means of the Flexi-lock system. Panels ends are locked using loose tongues. Supported by a full 1/2" (12mm) plywood underlay.

Underlay:

Concrete: KTL 3/8" (10mm) Sports foam is pre-glued to the plywood base on the backside of the panel, but can also be supplied lose. Laid on a levelled concrete slab over a polythene (0.2mm PE-folio) moisture barrier. Existing sports floor: With the build-in resilience in the floor below, e.g. artificial grass, a 3/16" (5 mm) foam is used as underlay.

References:

- KTL Sport Brochure
- KTL Portable flyer
- Product datasheets for KTL parquet floor boards (for grading).
- Laying instruction on KTL SPORT PORTABLE systems.
- Cleaning and maintenance for KTL Sports floors.