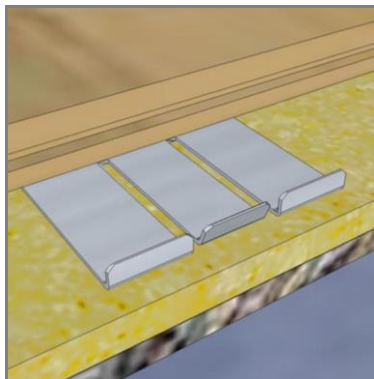


SPECIFICATION OF KTL SPORT PORTABLE PRO SUMMIT SYSTEM



KTL SPORT PORTABLE PRO SUMMIT SYSTEM is an area-elastic sports floor, based on 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 10mm sports foam strips is 44mm including full 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 over KTL 10mm Sports foam, it conforms fully to EN 14904, Class A3 standard and FIBA Level 1.

COMPOSITION OF FLOOR SYSTEM

1. Floor panels:

34mm thick panels based on 22 panels, made as a solid 8-strip or multi-strip hardwood panel on full 12mm plywood underneath.
Panel sizes, 1/1: 550x2180mm;
1/2: 550x1090mm.
(Overall sizes: 1/1: 610x2240mm;
1/2: 610x1150mm)

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:

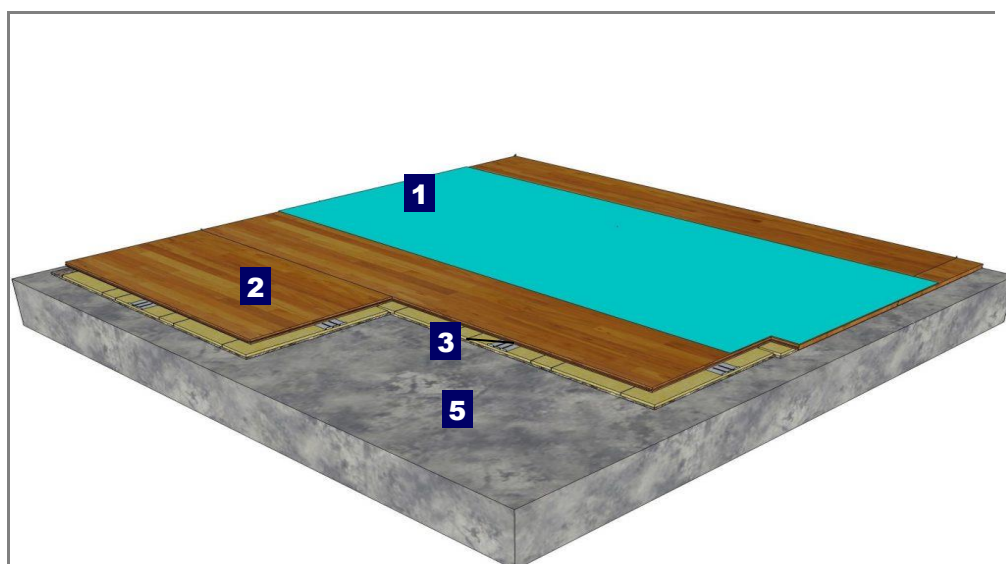
The pre-fitted sports foam is a special durable open-cell bonded foam strips, providing resilience and long term performance of the floor system. Density: 110kgs/m³. Thickness: 10mm (over concrete)
On elastic floor surfaces, the foam may be reduced to 5mm thickness!

4. Moisture barrier:

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

5. Subfloor:

Concrete or existing sports floors, levelled to a deviation of max. ± 2mm on a 2m straight edge.



Material consumption at 100 m² (13x7.7m):

- **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:** 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.

MANUFACTURER

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KTL SPORTS FLOORING
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E 14.1
27-11-2017 (UK)

Performance:**Sports functional features of KTL SPORT PORTABLE PRO SUMMIT SYSTEM**

Test method	EN Standards	EN demands acc to Class A3	Test result on 10mm foam
Shock absorption [%]	EN 14904:2006	40 – 75	43
Standard deviation [mm]	EN 14904:2006	1.8 – 2.5	1.9
Ball rebound [%]	EN 12335:2004	≥ 90	98
Rolling load [N]	EN 1569	> 1500	> 1500
Surface Friction,	EN 13036-4	80 – 110	100 (22) 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 on 10mm foam
Shock absorption, KA %	EN 14808:2005	Min. 40 %	43 %
Vertical deformation, STV mm	EN 14809:2005	1.5 – 5.0 mm	1.9 mm
Ball rebound, BR %	EN 12235:2013	≥ 93 %	98 %
Shock absorption, KA %	EN 14808:2005	Min. 40 %	43 %
Friction	EN 13036-4:2004	80 - 110	100 (gloss 22) 110 (gloss 40)
Requirements re uniformity	EN 14808:2005	± 5 %	± 2 %
	EN 14809:2005	± 0.7mm	+0.3 / -0.1mm
	EN 12235:2013	± 3 %	± 1 %

SPECIFICATION OF KTL SPORT PRO SUMMIT SYSTEM**Floor panels:**

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 glue 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 12mm plywood underlay.

Underlay:

Concrete: KTL 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 0.2mm PE-folio moisture barrier. Existing sports floor: With the build-in resilience in the floor below, 5 mm foam is laid out 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.
- www.ktlfloor.com or contact Technical Service at KTL for consultancy.

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