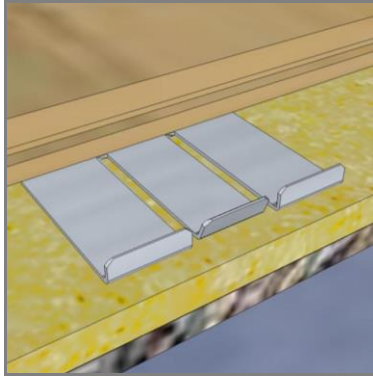


## SPECIFICATION OF KTL SPORT PORTABLE PRO SYSTEM



KTL SPORT PORTABLE PRO 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 12mm plywood underlay. Total construction height including KTL 10mm sports foam is 44mm.

The sports performance of this floor features high shock absorbency and resilience, an ultimate ball bounce and stability under foot, designed for top level sport usage with focus on fast ball games. Tested over KTL 10mm Sports foam, it conforms fully to EN 14904, Class A4.

### 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, with supporting 12mm plywood strips underneath all joints.

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 factory lacquer) and semi-gloss.

Panels are lacquered on backside.

#### 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, providing resilience and long term performance of the floor system. Density: 75kgs/m<sup>3</sup>.

Thickness: 10mm (over concrete)

On elastic floor surfaces, the foam may be reduced to 5mm thickness!

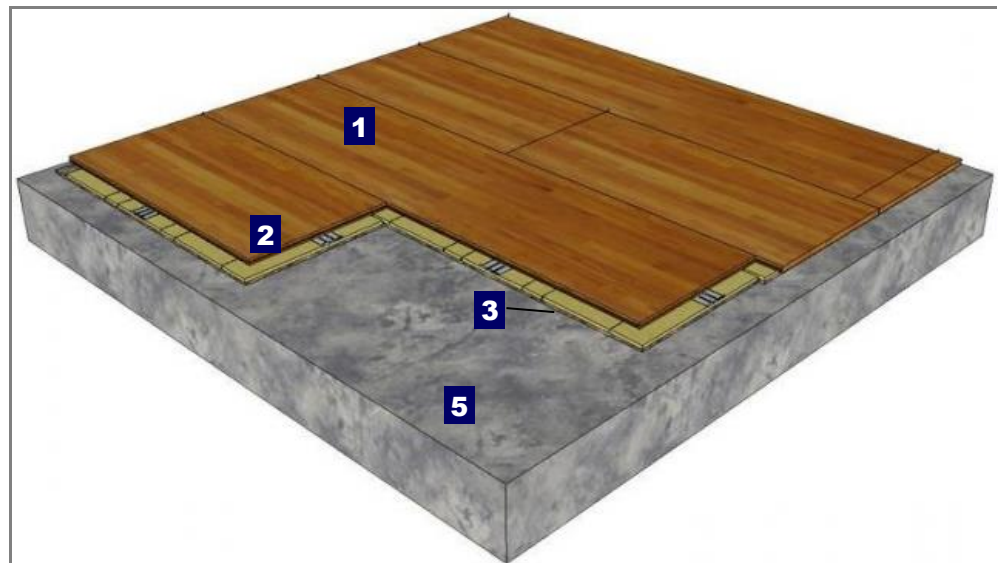
#### 4. Moisture barrier:

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 m<sup>2</sup> (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 m<sup>2</sup> incl. overlap
- **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  
SPECIFICATION  
PORTABLE PRO SYSTEM  
E 11.0  
22-10-2015 (UK)

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

Test method	EN Standards	EN demands acc to Class A4	Test results on 10mm foam*
Shock absorption [%]	EN 14904:2006	55 – 75	<b>59</b>
Standard deviation [mm]	EN 14904:2006	2.3 – 5.0	<b>3.0</b>
Ball rebound [%]	EN 12335:2004	≥ 90	<b>97</b>
Rolling load [N]	EN 1569	Min. 1500	> 1500
Surface Friction	EN 13036-4	80 - 110	80 - 90
Other Tests			
Friction	DIN 18032	0.4 – 0.6	<b>0.41</b>
Loading Capacity	EN 1533	4.0 kN	<b>6.0 kN</b>

\*) Tested by Technological Institute, DK.

**SPECIFICATION OF KTL SPORT PRO 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. Underneath strips of 12mm plywood are fitted as supporting 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.ktlsport.com](http://www.ktlsport.com) or contact Technical Service at KTL for consultancy.

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