

SPECIFICATION OF KTL SPORT PORTABLE MULTI SYSTEM



KTL SPORT PORTABLE MULTI-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. Total construction height including KTL 15mm sports foam is 37mm. With a 10mm foam alternatively 32mm.

The sports performance of this floor features good shock absorbency and resilience, an ultimate ball bounce and stability under foot, designed for multi-purpose usage with focus on fast ball games, dance and fitness. Tested over KTL 15mm Sports foam, it conforms fully to EN 14904, Class A3.

COMPOSITION OF FLOOR SYSTEM

1. Floor panels:

22mm panels, made as a solid 8-strip or multi-strip hardwood panel.

Panel sizes: 1/1: 550x2180mm,
1/2: 550x1090mm

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

Grades: Premium and Select.

Surface: Matt lacquer (standard factory lacquer) and semi-gloss.

Toned lacquer available on demand.

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 foams are special durable open-cell bonded foams, providing resilience and long term performance of the floor system. Density: 75kgs/m³.

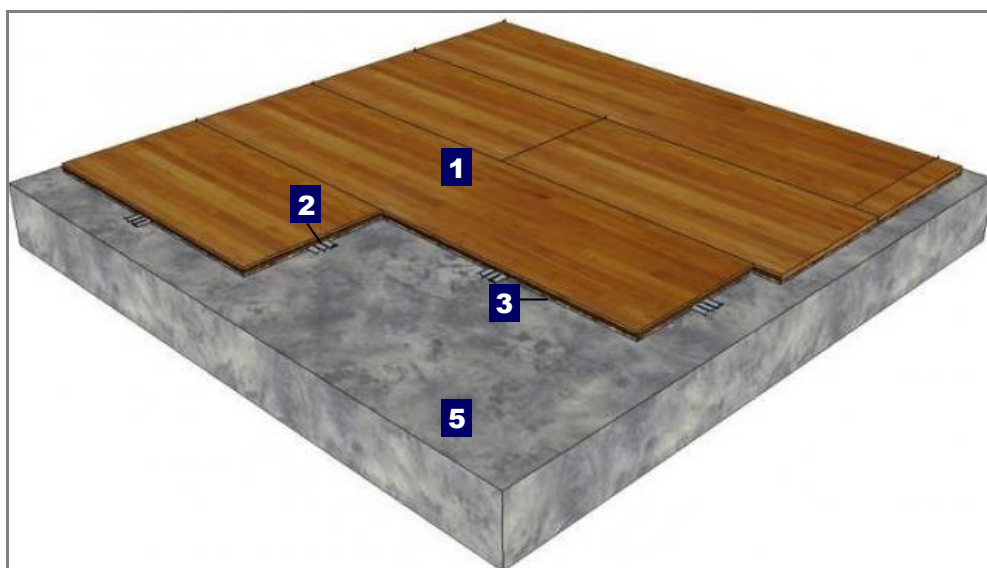
Thickness: 15mm (over concrete)
On subfloors with build-in elasticity, a 5 or 10mm foam can alternatively be used!

4. Moisture barrier:

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

5. Subfloor:

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



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

- **Floor panels:** 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
- **Line marking:** Line marking can be applied directly onto the factory finish, using a special 2-pack water-based paint system.
- **Maintenance lacquering:** In case maintenance lacquering is required, the floor is buffed, before the maintenance coat of lacquer is applied onto the surface.

MANUFACTURER

KTL INTERNATIONAL SDN BHD
Lot 121 & 123, Jalan Enam,
Komplek Perabot Olak Lempit,
4270 Banting, Selangor, Malaysia

SALES & SUPPORT

KTL Domestic +60 3 3149 3128
KTL Export +60 1 22676366
KTL Tech support +45 2080 8450
www@ktlsport.com • sales@ktlfloor.com

KTL SPORTS FLOORING
SPECIFICATION
PORTABLE MULTI-SYSTEM
E 10.0
05-07-2016 (UK)

Performance:

Sports functional features of KTL SPORT PORTABLE MULTI SYSTEM

Test method	EN Standards	EN demands acc. to Class A3	Test results on 15mm foam*
Shock absorption [%]	EN 14904:2006	45 – 55	50
Standard deviation [mm]	EN 14904:2006	1.8 – 3.5	2.1
Ball rebound [%]	EN 12335:2004	≥ 90	99
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	0.41
Loading capacity	EN 1533	4.0 kN	5.0 kN

*) Tested by Technological Institute, DK.

SPECIFICATION OF KTL SPORT MULTI-SYSTEM

Floor panels:

22 x 550 x 2180mm solid **[10-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 vertical 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 clip system. Panel ends are locked using loose tongues.

Underlay:

Concrete: KTL 15mm Sports foam is laid on a levelled concrete slab over a 0.2mm PE-folio moisture barrier. (Pre-fitted to backside of panels).
Existing sports floor: With the build-in resilience in the floor, a 5 to 10mm foam is laid out as underlay. (Pre-fitted to backside of panels).

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 or contact Technical Service at KTL for consultancy