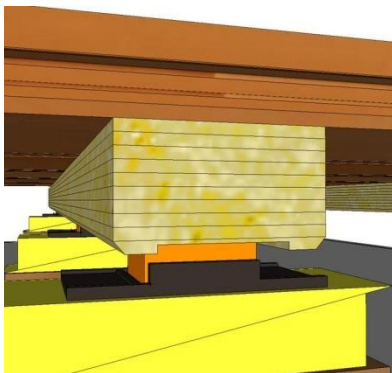


KTL SPORT PRO II V2 SYSTEM



KTL SPORT PRO II V2 is an area-elastic sports floor, based on 7/8" (22mm) solid hardwood 2-strip parquet boards, nailed to a resilient 1-layer batten system, installed and levelled over concrete subfloor. Total construction height excluding packing is 2-1/2" (64mm).

The sports performance of this floor features high shock absorbency and resilience combined with ultimate stability under foot, designed for multi-purpose use with focus on ball games, badminton and gymnastics. Tested and comply with both EN 14904, Class A4 and FIBA 2020 Level 1 (FIBA License no.: WF73-01).

The elastic shock pads features build-in deformation control, securing maximum loading capacity - also towards heavy equipment, combined with long-term protection of the floor resilience.

COMPOSITION OF FLOOR SYSTEM

1. Flooring boards:

7/8" x 5" x 7' 1-13/16' (22 x 130 x 2180mm) solid 2-strip parquet boards, secretly nailed onto battens according to a specified 10-board measurement and a board pattern.

Wood species:

Hevea, Ash, Beech, Maple, Oak.

Grades: Premium/Select

Surface: Matt lacquer (standard).

Semi and high gloss (optional).

2. Nails:

1/12" x 1 3/4" (2.2 x 45mm) machine nails

3. Sports Batten System:

KTL SPORT PRO II V2,

Batten in Laminated Veneer

Lumber (LVL) of pine in 1-3/16" x

2-1/4" x 11' 5-3/4" (30 x 58 x

3500mm), with resilient shock

pads in sports shoes, pre-fixed into

a grooved backside at c/c 17"

(437.5mm).

Batten distance:

c/c 12" (311.4mm).

4. Packing:

Plastic wedges, bitumen paper,

plywood or other stable material.

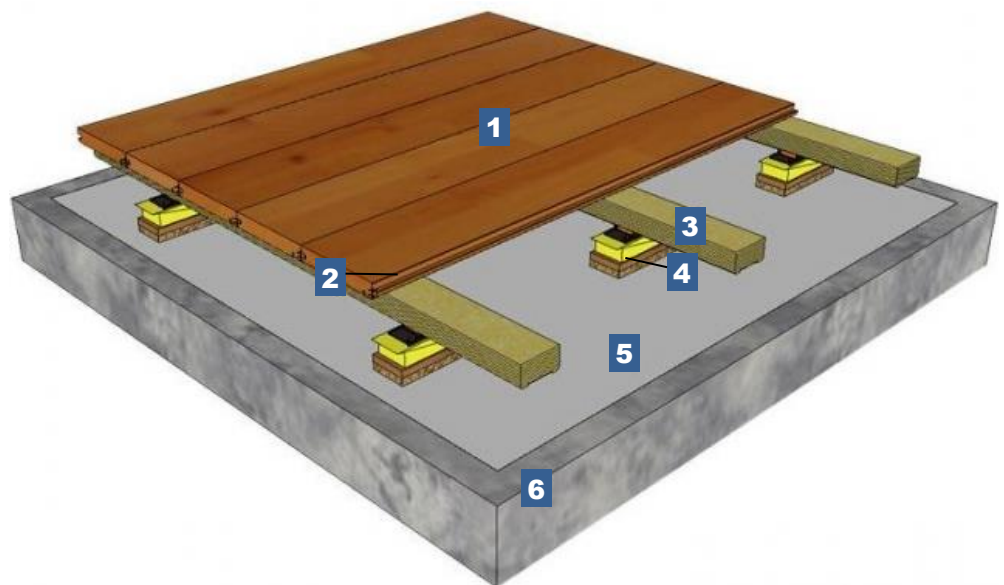
The packing is fixed on the sports shoes using 2 pcs. of stables.

5. Moisture barrier:

Polythene, 1000 gage (0.20 mm PE-folio).

6. Subfloor:

Concrete



Material consumption at 1000f2 (100 m2):

■ Flooring boards:	Batten distance, c/c 12" (311mm)
■ Nails, 1/12" x 2"	1000f2 (100m2) + 2% waste
■ Sports Battens:	Approach. 2250 pcs.
■ Packings:	1080' (330 rm).
■ Stables:	650 pcs
■ Loose tongue:	1300 pcs.
■ PVAC glue:	1 x length of floor in feet (m)
■ Moisture barrier:	3 oz (0.1 litre)
	1100f2 (110m2) 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 after hardening.
■ Maintenance lacquering:	When maintenance lacquering is required, the floor is buffed, before the maintenance coat of lacquer is applied onto the surface. Verify adhesion of the maintenance lacquer before starting the job.

MANUFACTURER

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KTL SPORTS FLOORING

SPECIFICATION
PRO II V2 SYSTEM
E 4.5
02-03-2021 (US)

Performance:

Sports functional features of KTL SPORT PRO II V2 SYSTEM



FIBA 2000-2023 Level 1 certified
(FIBA License Number WF73-01)

EN 14904, class A4 certified

Test method	EN Standards	EN 14904 Cl A4 limits	FIBA 2020 L1 Wood limits		Test results ¹	
Shock absorption [%]	EN 14904:2006	55-75	50-75	± 5	62	+2/-3
Standard deviation	EN 14904:2006	2.3-5.0	2.3-5.0	± 0.7	2.6	± 0.2
Ball rebound [%]	EN 12335:2004	≥ 90	≥ 93	± 3	96	± 1
Rolling load [N]	EN 1569	Min. 1500	> 1500		> 1500	
Friction	EN 13036-4	80 – 110	80 – 110		84	

Other Tests						
Resistance to wear [mg]	EN 13329		L1 ≤ 80		< 20	
Specular Gloss [%]	ISO 2813		L1 ≤ 45	± 5	14	± 1
Rolling load indt. [mm]			≤ 0.5		≤ 0.1	
- Visual inspection			No excessive dmg		No excessive	
Loading Capacity [kN]	EN 1533				6.0²	
Loading Cap. [kN/m ²]					6.0²	

*) Tested by Technological Institute, DK. 2) Initial type testing of loading capacity.

SPECIFICATION OF KTL SPORT PRO II V2 SYSTEM

Flooring boards:

7/8" x 5" x 7' 1-13/16' (22 x 130 x 2180mm) solid 2-strip parquet boards of **[Hevea/Ash/Beech/Maple/Oak]** in the grade **[Premium/Select]**, composed from two rows of finger joined staves, assembled by a longitudinal glued centre joint. The boards are profiled with tongue and groove on all 4 sides. Boards are secretly nailed onto the sub-construction, using 1/12" x 1 3/4" (2.2 x 45mm) machine nails.

Sub-construction:
(Total height 64-120mm)

Batten in Laminated Veneer Lumber (LVL) of pine in 1-3/16" x 2-1/4" x 11' 5-3/4" (30 x 58 x 3500mm) with resilient shock pads in sports shoes, grooved into the backside, c/c 17" (437.5mm), installed on **[concrete slab]** at a batten distance, c/c of 12" (311mm), levelled and packed by means of **[wedged, bitumen paper and/or plywood]** to required construction height of **[x inches]**. (Recommended: H = 2-1/2" – 5" (64-120mm))

Total construction height incl. flooring, excluding packing, is 2-1/2" (64mm).

References:

- www.ktlfloor.com
- KTL SPORT brochure
- KTL product datasheet for parquet flooring boards.
- KTL laying instruction on PRO II / PRO II V2 systems.
- KTL cleaning and maintenance for sports floors.
- or contact our global Technical Service for consultancy.