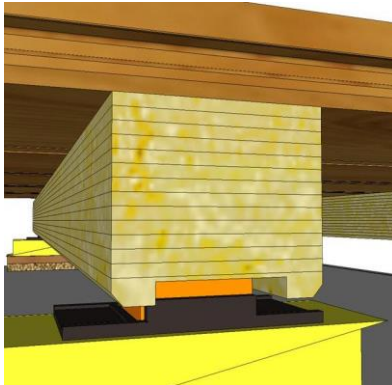


KTL SPORT PRO III SYSTEM



KTL SPORT PRO III is an area-elastic sports floor, based on 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 76mm. 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 conforms fully to EN 14904, Class A4. The elastic shock pads features build-in deformation control, securing maximum loading capacity – also for heavy equipment, combined with long-term protection of the floor resilience. For construction heights > 130mm, the floor is installed on raised, levelled and non-elastic under battens as a 2-layer system, achieving identical sports functional characteristics.

COMPOSITION OF FLOOR SYSTEM

1. Floor boards:

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:

Ash, Beech, Hevea, Maple and Oak.

Grades: Premium/Select

Surface: Matt lacquer (standard) and semi-gloss

2. Nails:

2.2 x 45mm machine nails

3. Sports Batten System:

KTL SPORT PRO III, (Mrk.: KTL/SBS/22/76/363/750) Batten in Laminated Veneer Lumber (LVL) of pine in 45 x 58 x 3750mm, with resilient shock pads in sports shoes, pre-fixed into grooved backside, c/c 750mm. Batten distance:

c/c 363.3mm (Ash/Beech/Maple)
c/c 311.4mm (Hevea/Oak)

4. Packing:

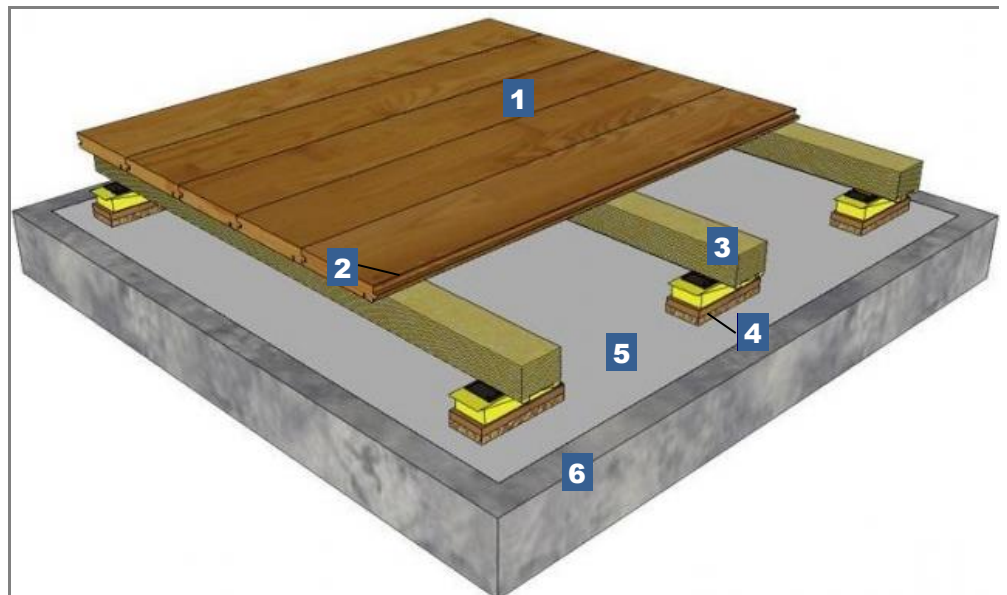
Plastic wedges, bitumen paper, plywood or other stable material. The packing is fixed on the sports shoes using 2 pcs. of stables.

5. Moisture barrier:

Min. 0.20 mm PE-folio

6. Subfloor:

Concrete



Material consumption at 100 m²:

	Batten distance, c/c 363mm	Batten distance, c/c 311mm
■ Floor boards:	100 m ² + 2% waste	100 m ² + 2% waste
■ Nails, 2.2x45mm:	Approach. 1850 pcs.	Approach. 2250 pcs.
■ Sports Battens:	290 rm.	330 rm.
■ Packings:	370 pcs.	430 pcs.
■ Stables:	740 pcs.	860 pcs.
■ Loose tongue:	1 x length of floor (m)	1 x length of floor (m)
■ PVAC glue:	0.1 litre	0.1 litre
■ Moisture barrier:	110 m ² incl. overlap	110 m ² incl. overlap
■ Line marking:	Line marking can be applied directly onto the factory finish, using a special 2-pack water-based paint system, ready for use after curing.	
■ 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 before starting the job.	

MANUFACTURER

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KTL SPORTS FLOORING

SPECIFICATION
PRO III SYSTEM
E 5.0
09-01-2018 (UK)

Performance:
Sports functional features of KTL SPORT PRO III SYSTEM

Test method	EN Standards	EN demands acc to Class A4	Test results at c/c = 363mm*
Shock absorption [%]	EN 14904:2006	55 – 75	60
Standard deviation [mm]	EN 14904:2006	2.3 – 5.0	2.5
Ball rebound [%]	EN 12335:2004	≥ 90	96
Rolling load [N]	EN 1569	Min. 1500	> 1500
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	5.0/6.0 kN

*) Tested by Technological Institute, DK.

SPECIFICATION OF KTL SPORT PRO III SYSTEM
Floor boards:

22 x 130 x 2.180mm solid 2-strip parquet boards of **[Ash/Beech/Hevea/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 sub construction using 2.2 x 45mm machine nails.

**Sub-construction:
(Total height 76-130mm)**

Batten in Laminated Veneer Lumber (LVL) of conifer in 45 x 58 x 3750mm, with resilient shock pads in sports shoes, grooved into the backside, c/c 750mm, installed on **[concrete slab]** at a batten distance, c/c of **[363mm for Ash/Beech/Maple or 311mm for Hevea/Oak]**, levelled and packed by means of **[wedged, bitumen paper and/or plywood]** to required construction height of **[x mm]**. (Recommended: H = 76-130 mm).

**2-layer system
(Total height > 130mm)**

Batten in Laminated Veneer Lumber (LVL) of pine in 45 x 58 x 3750mm, with resilient shock pads in sports shoes, grooved into the backside, c/c 750mm, installed on **[concrete slab]** at a batten distance, c/c of **[363mm for Ash/Beech/Maple or 311mm for Hevea/Oak]**, fixed with stables onto raised levelled and non-elastic under battens of LVL **[45x40mm or 63x40mm]** packed by means of **[wedged, bitumen paper and/or plywood]** to required overall construction height of **[x mm]**. (Recommend: H > 130mm)

References:

- KTL SPORT brochure.
- KTL product datasheet for parquet floor boards.
- KTL checklist re choice of sport floor (wood specie, loading capacities, building heights) and KTL requirements re site conditions and workmanship.
- KTL laying instruction on PRO III system.
- KTL cleaning and maintenance for sports floors.
- www.ktlfloor.com or contact Technical Service at KTL for consultancy.