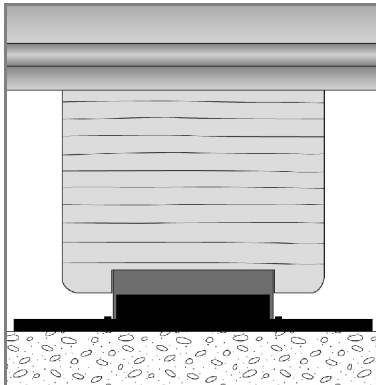


SPECIFICATION OF KTL SPORT PRO III SYSTEM



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 gymnastic.

Testes and conforms fully to EN 14904, Class A4.

The elastic shock pads has 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. Floor boards:

22 x 130 x 2.180mm solid 2-strip parquet boards, secretly nailed onto battens according to a specified 10-board measurement and a board pattern.

Wood species:

Ash, Beech and Hevea.

Grades: AB and C

Surface: Matt lacquer (standard) and semigloss

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 conifer in 45 x 58 x 3750mm, with resilient shock pads in sports shoes, grooved into the backside, c/c 750mm.

Batten distance:

c/c 363.3mm (Beech/Ash)

c/c 311.4mm (Hevea)

4. Packing:

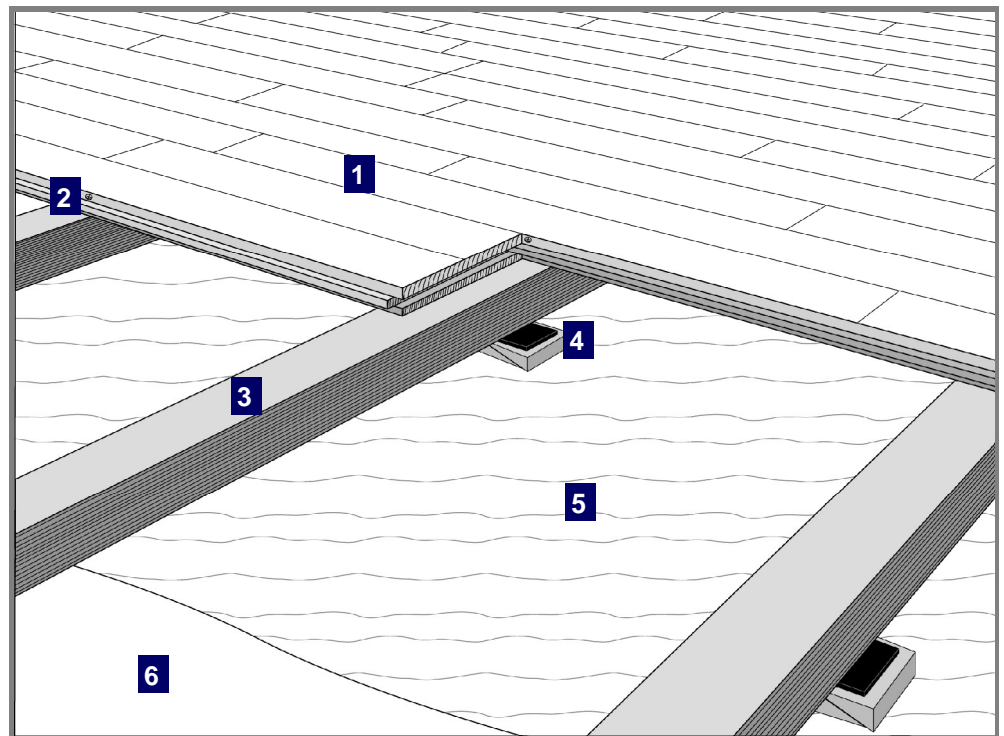
Plastic wedges, bitumen paper, plywood or other stabile material. The packing is fixed on the sports shoes using 2 pcs. of stables.

5. Moisture barrier:

Min. 0.20 mm PE-folio

6. Subfloor:

Concrete



Material consumption at 100 m2:

- Floor boards:
- Nails, 2.2x45mm:
- Sports Battens:
- Packings:
- Stables:
- Loose tongue:
- PVAC glue:
- Moisture barrier:

Batten distance, c/c 363mm

100 m2 + 2% waste
Approach. 1,850 pcs.
290 rm.
370 pcs.
740 pcs.
1 x length of floor (m)
0.1 litre
110 m2 incl. overlap

Batten distance, c/c 311mm

100 m2 + 2% waste
Approach. 2,250 pcs.
330 rm.
430 pcs.
860 pcs.
1 x length of floor (m)
0.1 litre
110 m2 incl. overlap

Top coat protection:

The floor is buffed, line marked and top coated using a recommended lacquer system, to protect the line marking and the floor surface and to secure the right friction.

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	DIN 18032	0.4 – 0.6	0.41

*) Testes 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 **[Beech / Ash / Hevea]** in the grade **[AB / C]**, 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:

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/311mm for Beech/Ash or 311mm for Hevea]**, levelled and packed by means of **[wedged, bitumen paper and/or plywood]** to required construction height of **[x mm]**. Recommended range of construction height: 76-156 mm.

Total construction height incl. flooring, excluding packing, is 76mm.

References:

- KTL Sport Brochure
- Product datasheet for KTL parquet flooring boards **A 1.0**
- Checklist re. Choice of Sport floor (wood specie, loading capacities, building heights) and KTL requirements re site conditions and workmanship **E 1.0**
- Laying instruction on KTL SPORT PRO III system **E 2.3.1**
- Cleaning and maintenance for KTL Sports floors **XXX**
- www.KTLSPORT.COM and/or contact Technical Service at KTL for consultancy