

KTL SPORT PRO III – 2-LAYER SYSTEM



KTL SPORT PRO III 2-LAYER SYSTEM is an area-elastic sports floor, based on 22mm solid hardwood 2-strip parquet boards, nailed to the resilient 1-layer PRO III batten system, which is installed over un-elastic under battens, levelled over concrete subfloor. Construction height of upper batten, excluding packing, is 76 mm. Using a 40x63mm under batten, the overall height is 139mm plus wedges.

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.

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. Under batten:

E.g. 40x53x3600 mm LVL

batten distance, c/c 500 mm with

9mm packings every 500 mm.

Upper batten is fixed to the under

batten by stapling through the

shock pads into the under batten.

5. Packings:

Plastic wedges, bitumen paper,

Plywood or other stable material.

The packing is fixed through the

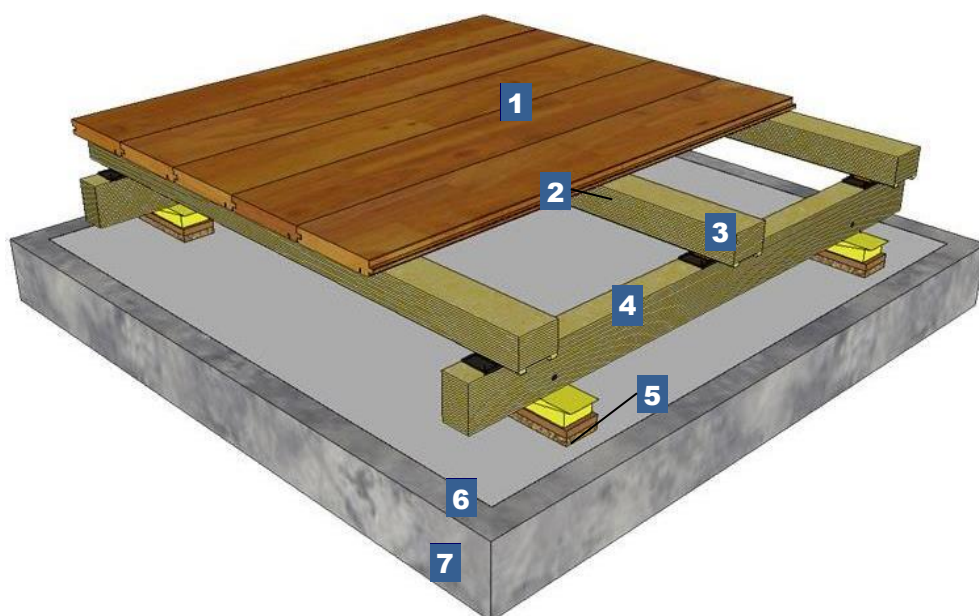
plywood blocks, using 2 stables.

6. Moisture barrier:

Min. 0.20 mm PE-folio.

7. Subfloor:

Concrete.



Material consumption at 100 m2:

	Batten distance, c/c 363mm	Batten distance, c/c 311mm
boards:	100 m2 + 2% waste	100 m2 + 2% waste
■ Nails, 2.2x45mm:	Approach. 1850 pcs.	Approach. 2250 pcs.
■ Sports Battens:	290 rm.	330 rm.
■ Under battens, eg, 40x63	140 rm.	140 rm.
■ Packings every 600mm:	230 pcs.	230 pcs
■ Stables:	460pcs.	460 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 m2 incl. overlap	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, 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. Control adhesion of the maintenance lacquer before starting the job.	

MANUFACTURER

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SALES & SUPPORT

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KTL SPORTS FLOORING
SPECIFICATION
PRO III 2 LAYER SYSTEM
E 5.0
28-05-2019 (UK)

Performance:

Sports functional features of KTL SPORT PRO III – 2 LAYER 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 – 2-LAYER 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 the sub-construction, using 2.2 x 45mm machine nails.

Sub-construction:

(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, are installed over un-elastic under batten at a c/c distance of [**363mm for Ash/Beech/Maple or 311mm for Hevea/Oak**], and fixed with staples through the flaps of the sportsshoes. Under batten [**45x40mm or 63x40mm**] are packed by means of [**wedges, bitumen paper and/or plywood**] to required overall construction height of [**x mm**] and packed closed enough to make it act as non-elastic battens.

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.

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