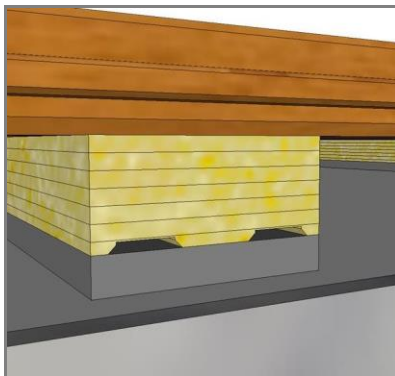


KTL SPORT MULTIFLEX ADVANCED V2 SYSTEM



KTL SPORT MULTIFLEX ADVANCED V2 is an area-elastic sports floor, based on 22mm solid hardwood 2-strip parquet boards, nailed to a resilient 1-layer batten system, installed floating on levelled concrete or wooden based subfloor. Total construction height incl. floorboard is 52mm.

The sports performance of this floor features high shock absorbency and resilience, high ball bounce 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.: WF73-02)

The battens feature build-in progressive shock absorbency through the double grooved profile, securing resilience at both low and heavy dynamic impacts.

COMPOSITION OF FLOOR SYSTEM

1. Flooring 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:

Hevea, Ash, Beech, Maple and Oak.

Grades: Premium/Select

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

2. Nails:

2.2 x 45mm machine nails

3. Sports Batten System:

KTL SPORT MULTIFLEX ADVANCED V2,

Batten profile in Laminated Veneer Lumber (LVL) of pine in 20x48x3600mm, continuously supported by 10x48mm elastic foam strips, glued to a double grooved batten underside.

Batten distance (standard):

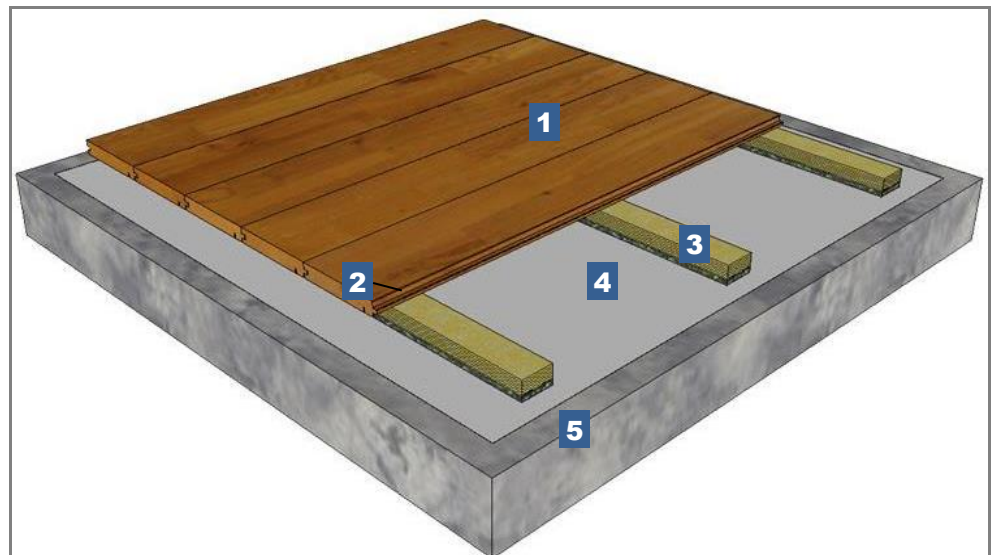
c/c 363.3mm
(Hevea/Ash/Beech/Maple/Oak)

4. Moisture barrier:

Min. 0.20 mm PE-folio
(on concrete)

5. Subfloor:

Concrete, alternatively existing wooden subfloor, levelled to a minimum deviation of max. ± 2mm on a 2m straight edge.



Material consumption at 100 m²:

	Batten distance, c/c 363mm
■ Flooring boards:	100 m ² + 2% waste
■ Nails, 2.2x45mm:	Approach. 1850 pcs.
■ Sports Battens:	290 m.
■ Loose tongue:	1 x length of floor (m)
■ PVAC glue:	0.1 litre
■ Moisture barrier:	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 hardening.
■ Maintenance lacquer:	When maintenance lacquering is later 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
MULTIFLEX ADVANCED V2 SYSTEM
E 2.5
24-03-2020 (UK)

Performance:

Sports functional features of KTL SPORT MULTIFLEX ADVANCED V2 SYSTEM



**FIBA 2000-2023 Level 1 certified
(FIBA License Number WF73-02)**

EN 14904, class A4 certified

Test method	EN Standards	EN 14904 Class A4 limits	FIBA 2020 L1 Wood limits		Test results ¹	
Shock absorption [%]	EN 14904:2006	55-75	50-75	± 5	59	± 1
Standard deviation	EN 14904:2006	2.3-5.0	2.3-5.0	± 0.7	2.5	± 0.2
Ball rebound [%]	EN 12335:2004	≥ 90	≥ 93	± 3	94	+2/-0
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		16	
Specular Gloss [%]	ISO 2813		L1 ≤ 45	± 5	14	± 1
Rolling load indt. [mm]			≤ 0.5		≤ 0.1	
- Visual inspection			No excessive dmg		No damage	
Loading Capacity [kN]	EN 1533				5.0²	
Loading Cap. [kN/m ²]					5.0²	

1) Tested by Technological Institute, Denmark. 2) Initial type testing of loading capacity.

SPECIFICATION OF KTL SPORT MULTIFLEX ADVANCED V2 SYSTEM

Flooring boards:

22 x 130 x 2180mm solid 2-strip parquet boards of **[Ash/Beech/Hevea/Maple/Oak]** in the grade **[Premium/Select]**, composed from two rows of glued 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:

Battens in Laminated Veneer Lumber (LVL) of pine in 20 x 48 x 3600mm, continuously supported by 10x48mm elastic foam strips, glued to the double grooved batten underside, installed floating on levelled **[concrete/wooden floor/existing sports floor]** at a batten distance, c/c 363mm. Total construction height incl. floor boards is 52mm.

References:

- www.ktlfloor.com
- KTL SPORT brochure
- KTL product datasheets for parquet flooring boards.
- KTL Laying instruction for all MultiFlex Advance / MultiFlex Advance V2 systems.
- KTL Cleaning and maintenance for sports floors.
- Contact our KTL Global Technical Services.