

FLEXIPRO 12 V3 + SOLID 22 MM PARQUET

FLEXIPRO 12 V3 + Solid parquet

FlexiPro 12 V3 + solid parquet is an area elastic sports floor with a high performance, installed on a level subfloor of concrete or wood. Total building height, incl. 22mm floorboards, is 39mm.

The elastic properties of the floor are secured by the 12mm resilient plywood subfloor which by means of continuous rubber strips in two thicknesses, placed in grooves on the backside, features progressive shock absorbency, executed by even low impact from e.g. children. Tested and comply with both EN 14904, Class A4 and FIBA 2020 Level 1 (FIBA License no.: WF73-06).

The sports functional characteristics feature high shock absorbency and resilience combined with great stability under foot and is ideal for multipurpose use with focus on ball games, badminton and gymnastics. A build-in deformation control secures ultimate loading capacity, also with heavy materials while the resilience is preserved.

COMPOSITION OF FLOOR SYSTEM

1. Flooring Boards:

22 x 130mm solid 2-strip parquet flooring boards in 2,180mm lengths, glued to the subfloor.
Wood species:
Hevea, Ash, Beech, Maple and Oak.
Prefinished with PU-lacquer, with matt finish as standard.
(Semi and high gloss optional).

2. FlexiPro 12 – V3 subfloor:

Area Elastic base floor of 12x610x2440mm Birch ply with continuous prefinished resilient rubber strips of 10mm/8mm, recessed into grooves of the underside of the panels.
The plywood boards are laid perpendicular to the required direction of flooring boards and are glued to one adjoining floor surface, using MS Polymer glue.

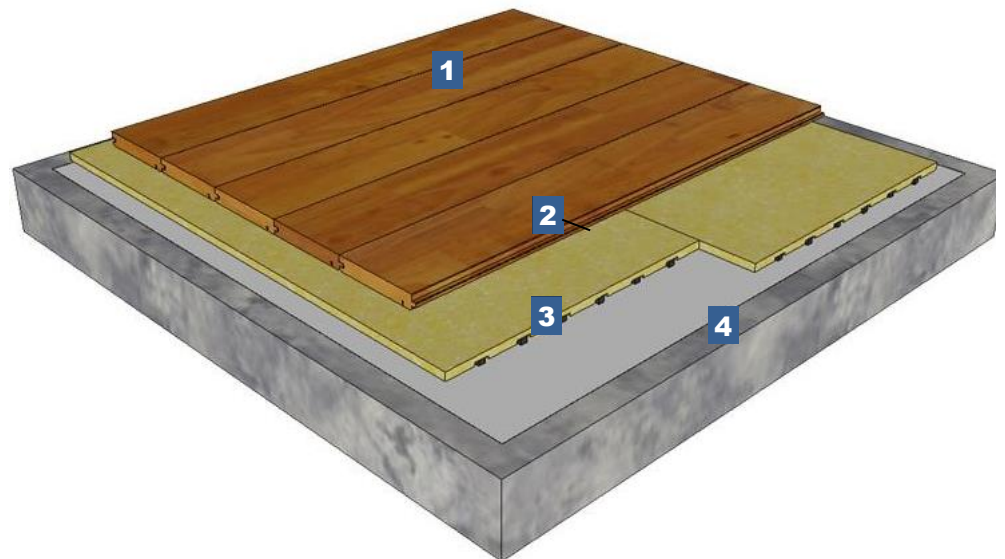
Building height of the base floor incl. elastic rubber strips is 17mm.
The floor meets EN 14904.

3. Moisture Barrier:

0.20mm PE-foil (on concrete), installed with taped joints.

4. Subfloor:

Concrete or existing floor surface levelled to a max. deviation of ± 2mm on a 2 meter straight-edge.



Material consumption at 100 m2:

- **Flooring boards:** 100 m2 + 2% waste
- **Glue, MS Polymer** 30 kgs (0.3 kg/m2 when applied with a glue gun)
- **FlexiPRO 12:** 100 m2 + 2% waste
- **Anti-blocking plywood:** 650 pcs (5mm plywood blocks along walls)
- **Stables:** 1100 pcs for fixing boards until glue tacks.
- **Loose tongue:** 1 x length of floor (m)
- **PVAC glue:** 0.1 litre
- **Moisture barrier:** 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, 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:

KTL INTERNATIONAL SDN BHD
Lot 121 & 123, Jalan Enam,
Komplek Perabot Olak Lempit,
4270 Banting, Selangor, Malaysia

SALES & SUPPORT

KTL Domestic +60 3 3149 3128
KTL Export +60 1 22676366
KTL Europe +45 4432 8450
www.ktlfloor.com • sales@ktlfloor.com

KTL SPORTS FLOORING
SPECIFICATION
FLEXIPRO 12 V2 + SOLID SYSTEM
E.9.5 (UK)
12-05-2021

Sports functional features of KTL SPORT FLEXIPRO 12 V3 SYSTEM

Performance:



FIBA 2000-2023 Level 1 certified
(FIBA License Number WF73-04)

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	55-75	± 5	57	+0.3/-0.2
Standard deformation	EN 14904:2006	2.3-5.0	2.3-5.0	±0.7	2.5	+0.2/-0.2
Ball rebound [%]	EN 12335:2004	≥ 90	≥ 93	± 3	96	+1/-1
Rolling load [N]	EN 1569	Min. 1500	>1500		>1500	
Friction	EN 13036-4	80 – 110	80 – 110		81	
Other Tests						
Resistance to wear [mg]	EN 13329		L1 ≤ 80		20	
Specular Gloss [%]	ISO 2813		L1 ≤ 45	± 5	17	+1/-2
Rolling load indt. [mm]			≤ 0.5		≤ 0.1	
- Visual inspection			No excessive dmg		No excessive dmg	
Loading Capacity [kN]	EN 1533				10.0²	
Loading Cap. [kN/m ²]					20.0²	

1) Test results for FlexiPRO 12 V2 with rubber strip design 3+6. 2) Initial type testing of loading capacity.

SPECIFICATION OF KTL SPORT FLEXIPRO 12 V3 SYSTEM

Flooring boards:

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 glued onto the sub-construction, using MS polymer glue and partial staples.

Sub-construction:

Elastic plywood sub floor

Area Elastic base floor of 12x610x2440mm Birch ply with continuous prefinished resilient rubber strips of 10mm/8mm, recessed into grooves of the underside of the panels, featuring progressive shock absorbency, executed by even low impact from e.g. children. Installed on even / levelled [concrete slab / existing sports floor].

Total construction height incl. flooring boards is 39mm.

References:

- www.ktlfloor.com
- KTL SPORT brochure
- KTL product datasheet for parquet flooring boards.
- KTL laying instruction on FlexiPRO 12 systems.
- KTL cleaning and maintenance for sports floors.
- or contact our global Technical Service for consultancy.