

KTL COMB III + 6.5MM SPORTS VINYL

COMB III + Sports vinyl

KTL COMB III + Sports vinyl is a high performance combi-elastic sports floor with a base floor of chip board, screwed to an elastic 2-layer system, laid and levelled over uneven concrete. Total construction height is 73 mm incl. vinyl. Can be raised to 200mm.

The sports functional characteristics feature high shock absorbency and resilience combined with a good stability under foot, designed for multipurpose use with focus on ball games, badminton and gymnastics. Tested and conforms fully to EN 14904, Class A4.

The floor system incl. the cork based shock pads has a good loading capacity. If exposed to heavy loads, load distribution sheets may have to be introduced. Some limitation to heavy rolling loads due to risk of indentation into the point-elastic surface.

The Sports vinyl offers high moisture resistance.

COMPOSITION OF FLOOR SYSTEM

1. Sports vinyl:

Sports vinyl, 6.5mm, alternatively 5mm, fully glued to base floor in lanes, with welded joints.

Tarkett:

Omnisports Reference, 6.5mm
Omnisports Training, 5 mm.

2. KTL COMB III sports base floor:

Area elastic sports base floor in 16mm chip boards with T/G on edges, longitudinal joints placed over battens and screwed to load distributing battens, 18 x 95 mm c/c = 140mm, laid over lower battens, c/c = 500mm, supported by 14mm PUR-tied Cork pads, c/c = 500mm.

Base floor height is 66mm.

The floor is tested and complies with EN 14904, A4.

3. Possible packings:

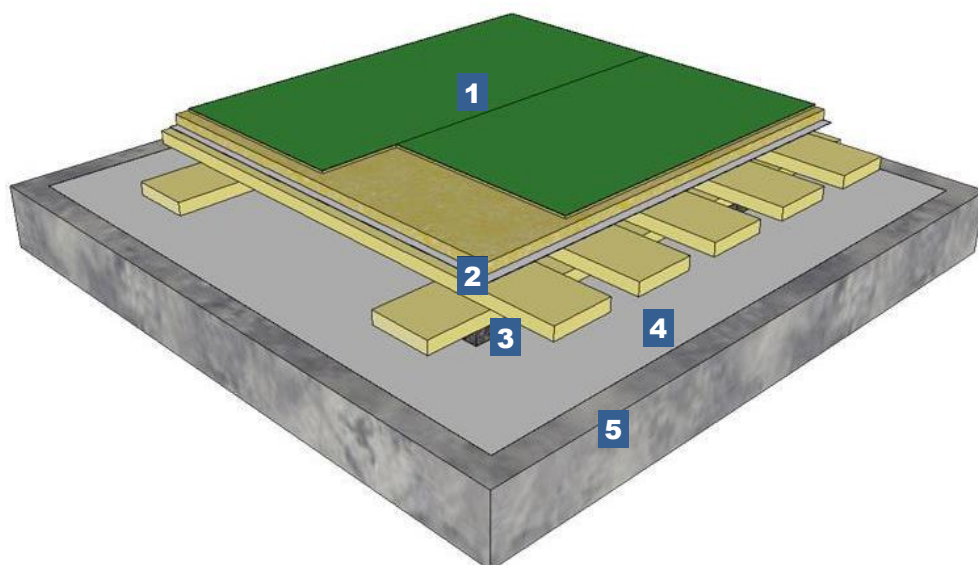
Made from stable material e.g. plywood blocks and bitumen paper, all fixed to shock pads. (Not illustrated on drawing)

4. Moisture barrier:

0.20 mm PE-folio (on concrete), laid with 200mm overlaps and taped joints.

5. Subfloor:

Concrete, alternatively existing floor, levelled to a maximum deviation of ± 2 mm on a 2 meter straight-edge.



Test methods	EN standards	EN demands acc. to Class C4	Results*
Shock absorption [%]	EN 14904:2006	55 – 75	64
Standard deviation [mm]		2.3 – 5.0	3.6
Deviation, top layer [mm]		0.5 – 2.0	1.3
Ball rebound [%]	EN 12335:2004	≥ 90	92
Rolling load [N]	EN 1569	Min. 1500	>1500
Friction	EN 13036-4	80 – 110	88

*) Tested by Technological Institute, Denmark.

Top coating:	Prefabricated 0.7mm vinyl.
Line marking:	Applied directly on the sports vinyl top coating.
Renovation:	Spot repairs can be carried out, however, surface renovation is not possible.