

## KTL COMB I + 6.5MM SPORTS VINYL

# COMB I + Sports vinyl

KTL COMB I + Sports vinyl is a high performance combi-elastic sports floor, installed floating on levelled concrete or wooden subfloors. Total height is 38mm incl. vinyl.

The resilience of the floor system is secured through the point-elastic sports vinyl laid on KTL FlexiBoards over an elastic layer of special bonded sports foam.

The sports functional characteristics feature high shock absorbency and resilience combined with a moderate stability under foot, ideal for multipurpose use with focus on ball games, badminton and gymnastics. Tested and conforms fully to EN 14904, Class C4.

Exposed to heavy loads, a deformation control of solid timber, alternatively a thinner sports foam, might be specified. The sports vinyl surface offers high moisture and abrasion resistance. Moderate resistance to rolling loads.

### 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 I base floor:

Area elastic base sports floor of 16mm FlexiBoards in birch ply, with special tongue/groove profiles along all 4 sides, glued together into one continuous floating floor surface, installed over elastic KTL sports foam in 15mm.

(On elastic sub floors, a 10mm foam may alternatively be used).

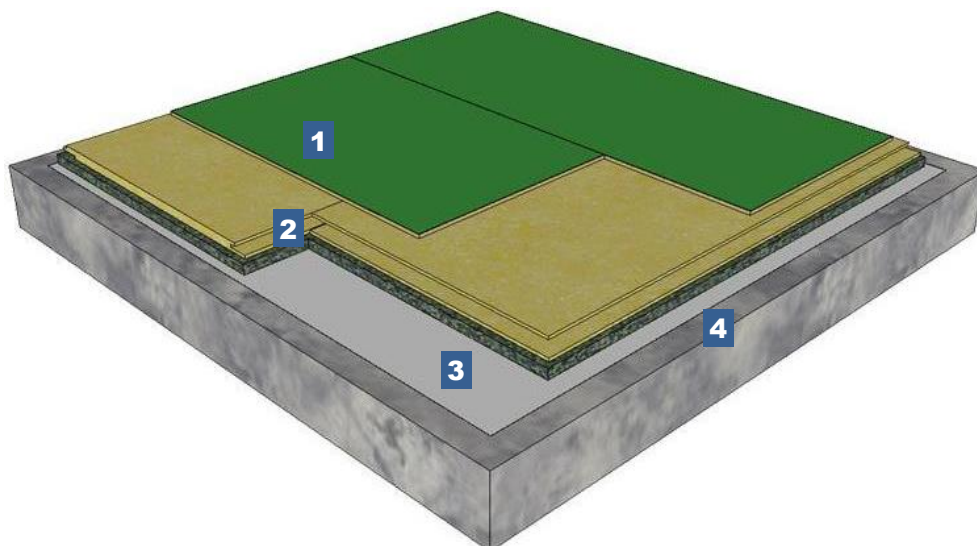
Sub floor height incl. 15mm foam is 31mm. The floor is tested and complies with EN 14904.

#### 3. Moisture barrier:

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

#### 4. Subfloor:

Concrete, alternatively existing floor, levelled to a maximum deviation of  $\pm 2$  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	59
Standard deviation [mm]		2.3 - 5.0	3.9
Deviation		0.5 - 2.0	1.3
Ball rebound [%]	EN 12335:2004	$\geq 90$	98
Rolling load [N]	EN 1569	Min. 1500	>1500
Friction	EN 13036-4	80 - 110	88

\*) Tested as 2x9mm birch ply 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.

#### 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](http://www.ktlfloor.com) • sales@ktlfloor.com

KTL SPORTS FLOORING  
SPECIFICATION  
COMB I + SPORTS VINYL SYSTEM  
G 1.4  
29-05-2019 (UK)