

KTL FLEXIPRO 21 + 6.5MM SPORTS VINYL

FLEXIPRO 21 + Sports vinyl

KTL FLEXIPRO 21 + Sports vinyl is a high performance combi-elastic sports floor, installed floating on levelled concrete or wooden subfloor. Total height is 33 mm incl. vinyl.

The resilience of the floor system is secured through the point-elastic sports vinyl, installed over the elastic FlexiPro base floor, where continuous rubber strips in two thicknesses, placed in grooves on the backside, feature progressive shock absorbency, executed by even low impact from e.g. children.

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

A build-in deformation control secures high loading capacity to the floor.
The floor design makes it ideal over underfloor heating.

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 FlexiPro 21 base floor:

Area elastic base sports floor of 21x575x2200mm birch ply sheets, supported by continuous elastic EvaZote rubber strips in 10mm / 8mm thickness, recessed / glued into grooves on the panel underside. Special tongue/groove profiles along all 4 sides of panels secure fast and safe connection by gluing into one floating area.

Sub floor height is: 26mm.

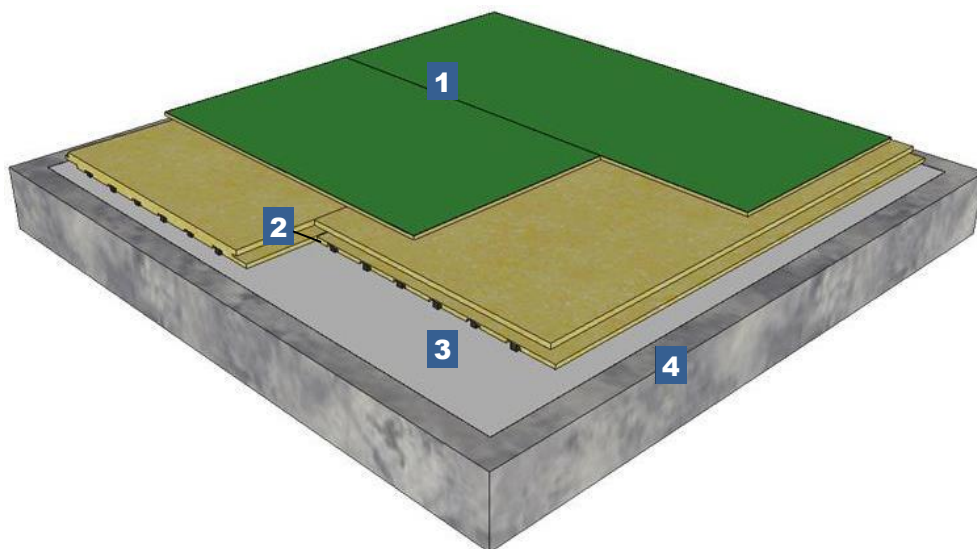
The base floor complies with EN 14904.

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 ± 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	62
Standard deviation [mm]		2.3 - 5.0	3.5
Deformation top layer [mm]		0.5 - 2.0	1.3
Ball rebound [%]	EN 12335:2004	≥ 90	96
Rolling load [N]	EN 1569	Min. 1500	>1500
Friction	EN 13036-4	80 - 110	80 - 110

*) Tested by Danish 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.
Underfloor heating:	Waterborne or electrical based underfloor heating system is ideal in combination with the KTL FlexiPRO systems. Heating system must have its own heating circuit and separate temperature regulation. Surface temperature of finished floor must not exceed 27°C.

MANUFACTURER

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KTL SPORTS FLOORING
SPECIFICATION
FLEXIPRO 21 + SPORTS VINYL SYSTEM
G 4.4
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