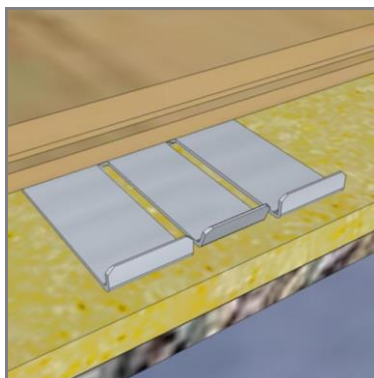


## SPECIFICATION OF KTL SPORT PORTABLE PRO PLY SYSTEM



KTL SPORT PORTABLE PRO PLY SYSTEM is an area-elastic sports floor, based on 21mm birch plywood panels, laid floating in a brick pattern on an existing sports floor or on levelled concrete. The panels connect to each other on all sides by means of the unique flexi-lock system. The panels come with a supporting 12mm plywood strip underlay. Total construction height including KTL 10mm sports foam is 43mm.

The sports functional performance of this floor features high shock absorbency and resilience, a high ball bounce and stability under foot designed for athletes in a wide range of sports. Tested over KTL 10mm Sports foam, it conforms fully to EN 14904, Class A4.

### COMPOSITION OF FLOOR SYSTEM

#### 1. Floor panels:

34mm thick panels based on 21mm birch plywood panels, with supporting 12mm plywood strips underneath all joints.

Panel sizes, 1/1: 550x2180mm;

1/2: 550x1090mm.

(Overall sizes: 1/1: 610x2240mm;

1/2: 610x1150mm)

Wood species: Birch.

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

Customized court designs available.

#### 2. Flexi-lock system:

Each 1/1 panel has 3 flexi-lock connections where metal clips (male) are locked into durable nylon pads (females).

#### 3. Elastic underlay:

The pre-fitted sports foam is a special durable open-cell bonded foam, providing resilience and long term performance of the floor system. Density: 75kgs/m<sup>3</sup>.

Thickness: 10mm (over concrete)

On elastic floor surfaces, the foam may be reduced to 5mm thickness!

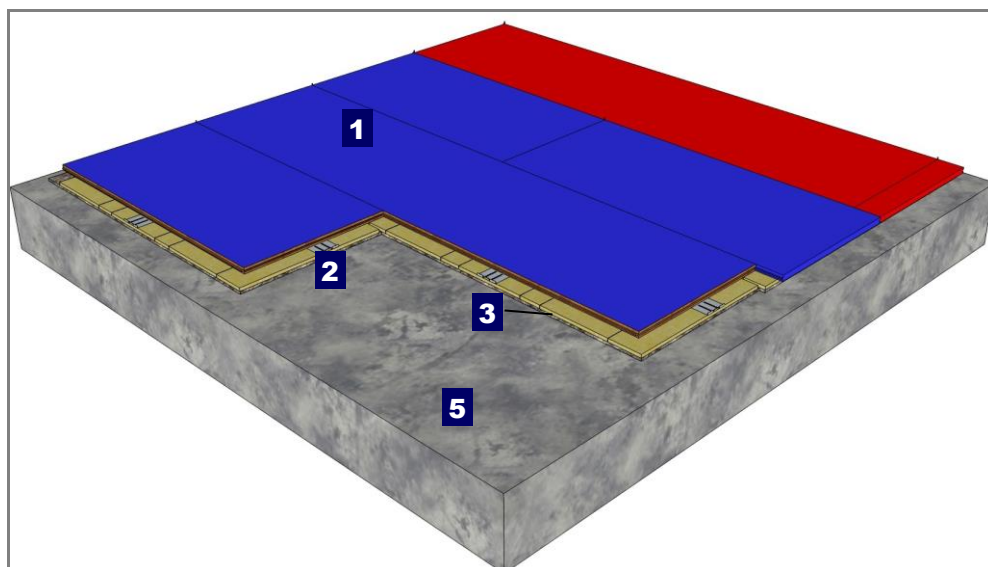
#### 4. Moisture barrier:

Min. 0.20 mm PE-folio, on concrete.

(Not illustrated on the drawing.)

#### 5. Subfloor:

Concrete or existing sports floors, levelled to a deviation of max. ± 2mm on a 2m straight edge.



#### Material consumption at 100 m<sup>2</sup> (13x7.7m):

- **Floor panels incl. plywood:** 77 pcs 1/1-panels and 14 pcs. 1/2-panels:  
Row 1, 3, 5...: 6 pcs 1/1 panels,  
Row 2, 4, 6...: 2 pcs 1/2 panels + 5 pcs 1/1 panels
- **Loose tongues:** 1 pcs per panel locking the end joints together
- **Underlay** Integrated, based on customer demand.
- **Ramps** Integrated, based on actual floor size.
- **Moisture barrier:** 110 m<sup>2</sup> 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.
- **Maintenance lacquering:** When maintenance lacquering is required, the floor is buffed before the maintenance coat of lacquer is applied onto the surface.

#### MANUFACTURER

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KTL SPORTS FLOORING  
SPECIFICATION  
PORTABLE PRO PLY SYSTEM  
E 15.0  
05-11-2017 (UK)

**Performance:****Sports functional features of KTL SPORT PORTABLE PRO PLY SYSTEM**

Test method	EN Standards	EN demands acc to Class A4	Test results on 10mm foam
Shock absorption [%]	EN 14904:2006	55 – 75	<b>59</b>
Standard deviation [mm]	EN 14904:2006	2.3 – 5.0	<b>3.0</b>
Ball rebound [%]	EN 12335:2004	≥ 90	<b>97</b>
Rolling load [N]	EN 1569	Min. 1500	> 1500
Surface Friction	EN 13036-4	80 - 110	80 - 90
Other Tests			
Friction	DIN 18032	0.4 – 0.6	<b>0.41</b>
Loading Capacity	EN 1533	4.0 kN	<b>5.0 kN</b>

**SPECIFICATION OF KTL SPORT PRO SYSTEM****Floor panels:**

21 x 550 x 2180mm plywood panels of birch in the grade **[Premium]**, assembled longitudinally by means of glue joints. The panels are milled with tongue and groove on all 4 sides, and connected to each other by means of the Flexi-lock system.

Customized court designs available.

Panels ends are locked using loose tongues. Underneath strips of 12mm plywood are

**Underlay:**

Concrete: KTL 10mm Sports foam is pre-glued to the plywood base on the backside of the panel, but can also be supplied lose. Laid on a levelled concrete slap over a 0.2mm PE-folio moisture barrier.

Existing sports floor: With the build-in resilience in the floor below, 5 mm foam is laid out as underlay.

**References:**

- KTL Sport Brochure
- KTL Portable flyer
- Laying instruction on KTL SPORT PORTABLE systems.
- Cleaning and maintenance for KTL Sports floors.
- [www.ktlsport.com](http://www.ktlsport.com) or contact Technical Service at KTL for consultancy.