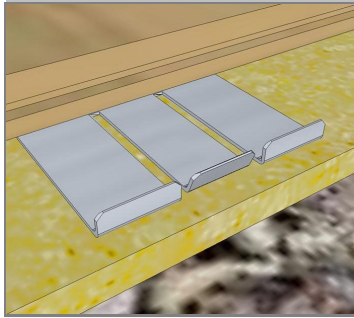


SPECIFICATION OF KTL SPORT' PORTABLE MULTI-SYSTEM



KTL SPORT PORTABLE MULTI-SYSTEM is an area-elastic sports floor, based on 7/8" solid hardwood 10-strip or multi-strip panels, laid floating in a brick pattern on an existing sports floor or on leveled concrete. The panels connect to each other on all sides by means of the unique flexi-lock system.

Total construction height including KTL 1/2" sports underlayment is 1 3/8".

The sports performance of this floor features good shock absorbency and resilience, an ultimate ball bounce and stability under foot, designed for multi-purpose usage with focus on sports, dance and fitness. Tested over KTL 1/2" underlayment, it conforms fully to EN 14904, Class A3.

COMPOSITION OF FLOOR SYSTEM

1. Floor panels:

7/8" panels, made as a solid 10-strip or multi-strip hardwood panel.

Panel sizes: 1/1: 21.65 x 86",
1/2: 21.65 x 43"

Wood species: Ash, Beech, Maple, Merbau and Hevea.

Grades: AB (standard) and C.

Surface: Matte polyurethane finish (standard factory finish) and semigloss.

Panels are finished on the underneath side.

2. Flexi-lock system:

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

3. Underlayment:

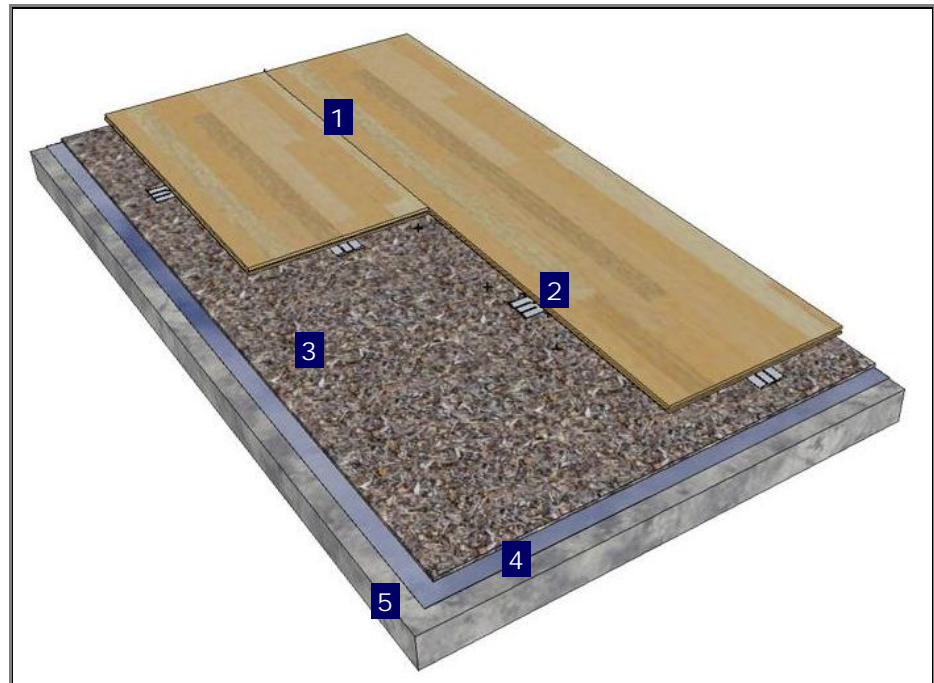
KTL sports underlayments are special durable open-cell bonded foams, providing resilience and long term performance of the floor system. Density: 4.65 lbs./cub.ft. Thickness: 5/8" (over concrete) On subfloors with built-in resilience, a 3/16" or 3/8" foam can alternatively be used!

4. Vapor barrier:

Min. 0.20 mm polyethylene (On concrete)

5. Subfloor:

Concrete or existing floors, levelled to a tolerance of 1/8" over a 10' radius.



Material consumption at 1000 ft² (42.91' x 23.45' = 1006.2 ft²):

- **Floor panels:** 72 full panels and 12 half panels:
Row 1, 3, 5...: 6 full panels,
Row 2, 4, 6...: 2 half panels + 5 full panels
- **Loose tongues:** 1 per panel to lock the end joints together
- **Underlay** 1006 ft² + 2%
- **Moisture barrier:** 1107 ft² incl. overlap
- **Top coat protection:** The floor is screened, line marked and finished using a recommended polyurethane finish, to protect the line marking and the floor surface and to secure proper surface friction.

Performance:
Sports testing results of KTL SPORT PORTABLE MULTI-SYSTEM

| Test method | EN Standards | EN demands acc to Class A3 | Test results on 5/8" underlay* |
|-------------------------|---------------|----------------------------|--------------------------------|
| Shock absorption [%] | EN 14904:2006 | 45 – 55 | 50 |
| Standard deviation [mm] | EN 14904:2006 | 1.8 – 3.5 | 2.1 |
| Ball rebound [%] | EN 12335:2004 | ≥ 90 | 99 |
| Rolling load [N] | EN 1569 | Min. 1500 | > 1500 |
| Surface Friction | EN 13036-4 | 80 - 110 | 80 - 90 |

*) Testes by Technological Institute, DK.

SPECIFICATION OF KTL SPORT MULTI-SYSTEM
Floor panels:

7/8 x 21.65 x 86" solid [**10-strip / multi-strip**] hardwood panel of [**Ash / Beech / Maple/ Merbau / Hevea**] in the grade [**AB / C**], composed from rows of finger joined staves, assembled longitudinally by means of glue joints. The panels are milled with a tongue and groove on all 4 sides, and connected to each other by means of the Flexi-lock system.

Underlayment:

Concrete: KTL 5/8" underlayment foam is laid on a levelled concrete slab over a 0.2mm polyethylene moisture barrier.

Existing sports floor: With existing resilience in the floor, a 3/16" to 3/8" foam is utilized as underlayment.

References:

- KTL Sport Brochure
- Product datasheet for KTL hardwood flooring boards **A 1.0**
- Checklist - Choice of Sport floor (wood species, loading capacities, building heights) and KTL requirements regarding site conditions and workmanship **E 1.0**
- Installation instructions for KTL SPORT PORTABLE systems **E 2.1.1**
- Cleaning and maintenance for KTL Sports floors **XXX**
- www.KTLSPORT.COM or contact Technical Service at KTL with questions.