UNO BAT 50
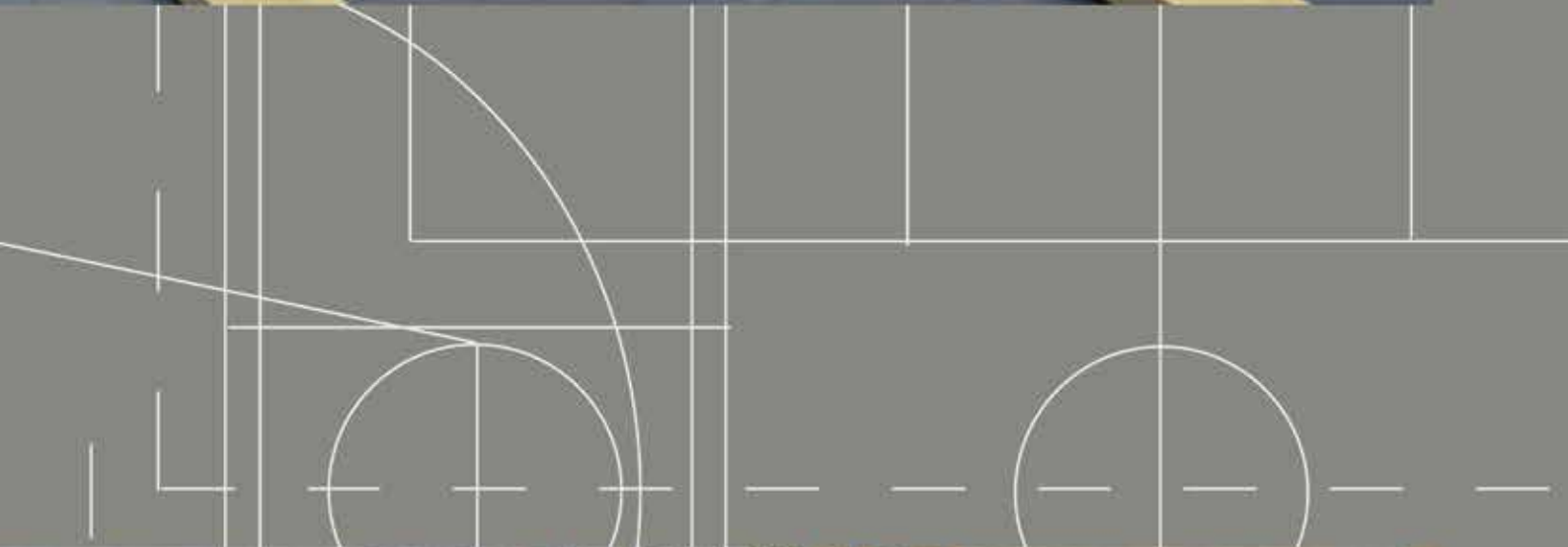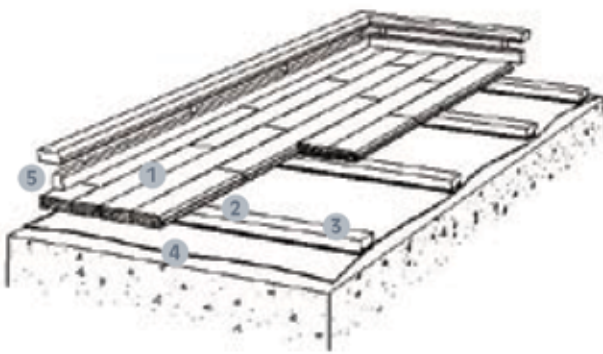
- high performance sports floor system
- DIN approved
- perfect shock absorption
- unique ball bounce
- supports both light and heavy athletes
- pre-assembled solid hardwood floor boards
- prefabricated battens for fast and safe installation
- multi-purpose
- low construction height
- fast installation
- new buildings and refurbishment
- solutions for heavy load areas
- accommodation for bleecher seating
- easy maintenance

JUNCKERS
National Approved Contractor

system components

Construction height: 50 mm

1. 22 x 129 x 3700 mm floor boards
2. 2.2 x 45 mm J-nail (machine nail)
3. UnoBAT 50 batten system Battens: 28 x 50 x 3600 mm incl. resilient rubber strips
4. 0.20 mm PE-membrane (moisture barrier)
5. Ventilated skirtings

Installation on even subfloor

SYSTEM PERFORMANCE - JUNCKERS UNOBAT 50

UnoBAT 50 is a resilient batten-based sports floor system suitable for multi-purpose sports halls. UnoBAT 50's veneer battens feature a unique arrangement of specially developed rubber strips on the underside. The outer and inner strips differ in density - low density on the outside and high density on the inside - to produce a 2-step absorption effect with a deformation limit, which delivers optimum shock absorption and ball bounce consistently across the entire floor's surface.

UnoBAT 50 offers the performance attributes necessary for fast moving ball games while keeping the risk of injury at an absolute minimum.

Choice of two different batten distances depending on requirements as to sports performance and loading capacity (see table below).
Heavy loads can now be supported without compromising the performance of the floor.

Rubber strips in unloaded position.

Rubber strips with maximum load (note that the outer strips are never squeezed to destruction level thanks to the centre strip and their recessment).

DIN performance	DIN 18032 test requirement	Batten distance 336 mm	411 mm
Shock-absorption	Min. 53%	60%	62%
Vertical deformation	Min. 2.3 mm	2.4 mm	2.8 mm
Ball bounce	Min. 90%	99%	97%
Friction	0.4 - 0.6	> 0.4	> 0.4
Rolling load	Min. 1500 N	> 1500 N	> 1500 N

This system complies with the ENV fatigue test.