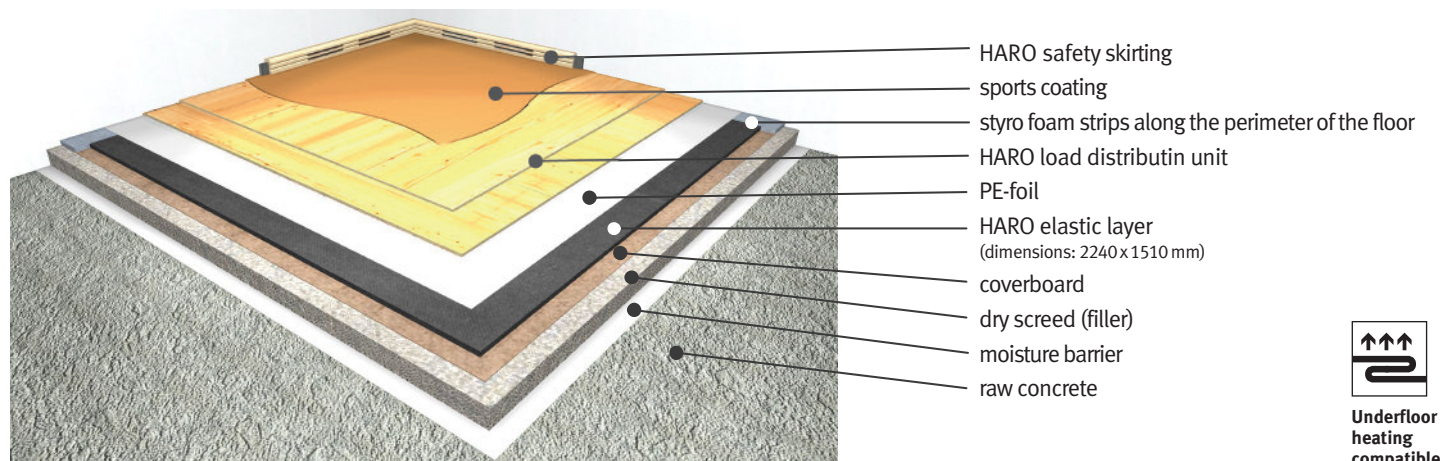


HARO Sports Floors

Dominating the game.

ATHENS 15/50/70

Type: Area-elastic sports floor
Usage: sports and multi purpose facilities – ideal for renovations and refurbish-



Installation on an even sub-floor or a dry flooring plaster (cement) according to DIN 18202: 1997-04 chart 3, line 4	Model Athens 15	Model Athens 50 without filler	Model Athens 70
HARO Special elastic layer , joints offset, laid out loosely	15 mm	20 mm	15 mm
PE-foil , 10% overlapped, laid out loosely	0,03 mm		
HARO load distribution unit consisting of 2 layers: • Special OSB4 - boards dimensions: 1250 x 2500 x 9 mm each • Special plywood boards, BFU 100 acc. DIN 68705, part 3 dimensions: 1250 x 2500 x 9 mm each The 2 layers are installed staggered, glued with each other, stapled and screwed.	18 mm	18 mm	18 mm
Overall height of construction (without sports coating)	33 mm	38 mm	33 mm

Performance Values acc. DIN 18032 Part II	Athens 15	Athens 50	Athens 70
Shock absorption , % ≥ 53 (min. value)	56 %	61 %	60 %
Vertical deformation , mm ≥ 2,3 (min. value)	2,3 mm	3,3 mm	2,9 mm
Behavior under rolling load , 1500 N	✓	✓	✓
Ball reflection , % ≥ 90 (min. value)	98 %	97 %	97 %
Area deflection , % ≤ 15 (av. value)	4,9 %	13 %	13,3 %
Concrete slab tolerances according to DIN 18202:1997-04, figure 3	3 mm (1/8") in a radius of 1 meter (3' 3") 9 mm (3/8") in a radius of 4 meter (13' 1") 12 mm (1/2") in a radius of 10 meter (39' 4") 15 mm (5/8") in a radius of 15 meter (49' 2")		

Models ATHENS 15, ATHENS 50 and ATHENS 70 meet and exceed the EN 14904, DIN V 18032-2; April 2001 and are subject to the annual quality control RAL GZ 942. The model Athens 70 is also subject of the Austrian standard ÖISS directive 08/2005.

