



Herculan SR Indoor sports surfaces are eco-friendly, seamless and cushioned multi functional floors with point elastic properties. Suitable for all indoor sports including athletics with spiked shoes.

The **Herculan SR Indoor** sports surfaces meet all the latest European Standards for multi purpose indoor sports surfaces, the EN 14904:2006. The **Herculan SR Indoor** system is a certified and approved sports floor in the Dutch Olympic Committee's sports flooring list.

Herculan SR Indoor sports surfaces are certified by the International Handball Federation [IHF].

The **Herculan SR Indoor** system passes the German AgBB/DIBt emission test and is rated as safe for indoor building materials.

The high performance, seamless surface of the **Herculan SR Indoor** system is non-porous, therefore hygienic and easy to clean. **Herculan SR Indoor** systems provide the optimum slide and slip resistance required in today's most demanding sports. Due to its high mechanical strength and elastic properties of the Herculan EX 800 thickness layer and the excellent wear resistance of its Herculan PU 145 or Herculan PU 100W top-layer, this tough and durable sports surface can also be used for exhibitions, concerts, speech-days and all kinds of other non-sports functions without extra protection.

All Herculan Sports Surfaces are easy to maintain and can be resurfaced quickly and economically when required.



www.herculan.com





Types of Sports Surface	Multi-purpose point-elastic indoor sports surface.
Aim	Suitable for all indoor sports including athletics with spiked shoes and multi functional use, see Herculan Systems Selection Chart.
Description of the Sports Surface	4 mm of coated polyurethane layer on bonded rubber granulate sub-base layer.

HERCULAN SR INDOOR SYSTEM PROPERTIES

Athlete Surface Interaction

System	Vertical Deformation [EN 14809 – DIN 18032-2]	Force Reduction [EN 14808 – DIN 18032-2]	Energy Restitution [N/F4.1]
Herculan SR Indoor	4 mm	36 %	54 %

System Properties of the Sports Surface

Vertical Ball Behavior [EN 12235 – DIN 18032-2]	99 %
Compression Set [ASTM D-395-B]	1.9 %
Compression Strength [N/S1.1]	> 4 N/mm ² [> 4 MPa]
Resistance to Impact [EN 1517-1999]	> 12 Nm
Resistance against Static Load [24 hours]	50 kg/cm ²
Resistance to Indentation [EN 1516]	< 0.11 mm
Resistance to a Rolling Load [EN 1569:1999]	> 1500 N
Penetration of Spikes	< 1 mm
Resistance against Spikes [With 6 mm Spike Bygforsk Norway]	> 1300 N
Resistance against Spikes [EN 14810-DIN 18035-6]	Resistant – Class 1
Resistance to Fire [DIN 51960]	Not flammable – Class 1
Resistance to Fire [BS 476 Part 7:1997]	Not flammable – Class 3
Resistance to Fire [EN ISO 11925:2002 & 9239-1:2002]	B _{FL} – S1
Resistance to Stubbed and Burning Cigarettes [EN 1399]	Resistant. No damage

Properties of the Herculan SR 320 Base Layer

Surface Hardness [DIN 53505, ASTM D-2240]	Shore A = 76
Tensile Strength [EN ISO 527-1, DIN 54455]	23 N/mm ² [23 MPa]
Elongation at Break [EN ISO 527-1, DIN 54455]	> 340 %
Tear Resistance [DIN 53515]	50 N/mm

Properties of the Herculan PU 145/PU 100 W Surface Layer

Surface Texture [N/F 12.1 – Macro, Micro, Porosity]	Fine, Polished, Closed
Surface Color	See Herculan Color Chart
Resistance to Wear [EN ISO 5470-1, ASTM C-501]	Taber H18 1 kg 1000 cycles 3.6 %
Gloss [EN ISO 2813]	3 – 6 %
Friction [EN 13046-4]	Dry 85 at 20°C
Friction [EN 14837 Leroux]	Dry 0.7 at 20°C
	Wet 0.3 at 20°C
Sliding qualities [N/F 6.1]	Dry 0.4 at 20°C
	Wet 0.2 at 20°C
Light [Color] Fastness [DIN 54004]	8 [Excellent]
Specular [Light] Reflectance [EN 13745]	0.1 – 0.3 [Color dependent]

Herculan Sports Surfaces B.V.

Energieweg 6, 4231 DJ Meerkerk, P.O. Box 46, 4230 BA Meerkerk, The Netherlands.
 Phone : +31 183 35 47 00 • Fax : +31 183 35 47 40 • E-mail : info@herculan.com • www.herculan.com