



Herculan SR Sprint tracks are eco-friendly, seamless and cushioned Spike Resistant surfaces with point elastic properties.

Herculan SR Sprint tracks meet all the latest European Standards for track and field sports surfaces, the EN 14877:2006 and **Herculan SR Sprint** meets all requirements set in the DIN 18035 part 6. The **Herculan SR Sprint** system is listed as a certified and approved track surface in the Dutch Olympic Committee's sports flooring list.

The **Herculan SR Sprint** track is certified by the International Association of Athletic Federation [IAAF], as a surface suitable for all national and international athletic competitions.

The high performance, seamless surface of the **Herculan SR Sprint** system is an in-situ applied rubber base layer covered with a colored EPDM embedded elastomeric polyurethane wear layer. **Herculan SR Sprint** tracks are water impermeable, spike resistant, UV and all weather resistant. The **Herculan SR Sprint** track system provides a durable track surface under all weather conditions.

Herculan SR Sprint is suitable for outdoor and indoor athletic facilities, multipurpose sports facilities and playgrounds.

The **Herculan SR Sprint** track surface is easy to maintain and can be resurfaced quickly and economically when required.





Types of Sports Surface

All weather cushioned outdoor sports surface with point elastic properties and dimensionally stable properties.

Aim

Suitable for all running tracks and all outdoor sports, refer Herculan Systems Selection Chart. Has been tested to and conforms with the technical requirements for use in all national and international competitions. Herculan SR Sprint is IAAF Certified.

Description of the Sports Surface

Water impermeable and Spike resistant polyurethane system embedded with colored EPDM granules on an in-situ polyurethane bonded rubber granulate sub-base.

HERCULAN SR SPRINT SYSTEM PROPERTIES

Athlete Surface Interaction & System Properties of the Sports Surface:

System		Force Reduction [EN 14808, DIN 18032-2]	Vertical Deformation [EN 14809, DIN 18032-2]
Herculan SR Sprint	0°C	36 %	1.7 mm
	+10°C	39 %	2.0 mm
	+20°C	40 %	2.2 mm
	+40°C	42 %	2.5 mm

System Properties of the Sports Surface

Water Permeability [EN 12616]	Impermeable
Sliding Coefficient [DIN 18035-6/TRRL], Dry	0.62
Sliding Coefficient [DIN 18035-6/TRRL], Wet	0.57
Slip Resistance [EN 13036-4], Dry	101
Slip Resistance [EN 13036-4], Wet	65
Thickness [EN 1969]	14 mm
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]	20 kg/cm ²
Resistance to Indentation [EN 1516]	< 0,37 mm
Resistance to a Rolling Load [EN 1569:1999]	> 1500 N
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]	C _{FL} – S1
Resistance to Stubbed and Burning Cigarettes [EN 1399]	Resistant. No damage
Spikes Resistance [DIN 18035-6]	Class 1
Spikes Resistance [EN 14810]	All criteria pass after spike stress
Tensile Strength [EN ISO 527-1, DIN 54455]	0.52 N/mm ² [0.52 MPa]
Elongation at Break [EN ISO 527-1, DIN 54455]	> 44 %
Resistance to Wear [EN-ISO 5470-1, ASTM C-501]	Taber H18 1 kg 1000 cycles 3.6 gm
Relative Abrasion	rA = 1.1
Light [Color] Fastness [ISO 105-A02, DIN 54004]	5 [Good]
Resistance to UV Light [EN 14836]	Excellent, Color change < 4 [EN ISO 20105-A02]
Performance after exposure to UV-Light – EN 14836	Passes all requirements in EN 14877
Environmental Compatibility [DIN V 18035-6 Table 6, Lines 1-13]	Passed

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