



Herculan SR Olympic sports surfaces are seamless and installed in multi-layers. Its complete build up of polyurethane components which are installed in-situ ensures that it meets the latest performance criteria of athletic tracks.

Designed with performance in mind, **Herculan SR Olympic** surfaces is suitable for all international and professional games competitions.

The intermediate polyurethane elastomer layer bonded with specially designed elastomeric Supreme rubber granules that is encapsulated within the system enhances the athlete's performance by provision of better control, consistency, energy restitution and comfort. This solid PU system is tested and approved as per latest IAAF standards, DIN 18035 part 6 regulations and the EN 14877 requirements.

Herculan SR Olympic tracks offer spike resistance with a hard wearing PU elastomer which is finished with very high UV resistant performance rubber.

Herculan SR Olympic sports surfaces are fully certified by the IAAF and suitable for use in conjunction with both Class 1 and 2 certification levels.

All Herculan sports surfaces are easy to maintain and can be resurfaced when required.

Herculan SR Olympic

Type of sports surface

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

Aim

Suitable for all running tracks and outdoor sports, refer Herculan System 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 installed with specially designed intermediate infill layer of Supreme elastic granules finished/toped with UV resistant polyurethane embedded colored EPDM granules.

Herculan SR Olympic System properties:

Athlete surface interaction & System properties of the sports surface:

	0°C	+23°C	+40°C
Force Reduction (EN 14808 DIN 18032-2)	34 %	36 %	39 %
Vertical Deformation (EN 14809 DIN 18032-2)	1.4 mm	1.5 mm	1.7 mm
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	105		
Slip Resistance (EN 13036-4) Wet	98		
Thickness (EN 1969)	15 mm		
Vertical Ball Behavior (EN 12235 DIN 18032-2)	99 %		
Compression set (ASTM D-395-B)	1.9 %		
Compression strength (N/51.1)	> 4 N/mm ² (> 4 MPa)		
Resistance to Impact (EN 1517-1999)	> 12 Nm		
Resistance against static load (24 hours)	25 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 (EN 140810 - DIN 18035-6)	Class 1		
Tensile Strength (EN ISO 527-1, DIN 54455)	0.68 N/mm ² (0.68 MPa)		
Elongation at break (EN ISO 527-1, DIN 54455)	> 70 %		
Resistance to Wear (EN-ISO 5470-1, ASTM C-501)	Taber H18 1 kg 1000 cycles 1.0 gram		
Relative Abrasion	rA = 1.1		
Light (Color) Fastness (DIN 54004)	5 (good)		
Resistance to UV light (EN 14836)	Excellent, color change < 4 (EN ISO 20105-A02)		
Environmental Compatability (DIN V 18035-6 table6, lines 1-13)	Passed		