

Herculan SR



SAFESCAPE FIELD



Certified

Herculan SR Safescape Field sports surfaces are seamless, cushioned, spike resistant surfaces with point elastic properties.

Herculan SR Safescape Field play areas are DIN 18035 part 6 and EN 14877 approved for use as multipurpose field for most sports events.

The high performance seamless surface of the **Herculan SR Safescape Field** system is an in-situ applied, EPDM granules layer bonded with moisture cured PU binder. The surface can be installed in multiple colors and layer combinations to cater for different games applications.

The **Herculan SR SafeScape Field** system is water permeable, UV resistant, elastic and suitable for most indoor and outdoor multipurpose play areas.

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



Herculan SR Safescape Field

Type of sports surface	Multi Purpose all weather cushioned outdoor sports surface with point elastic and dimensionally stable properties.
Aim	Suitable for jogging tracks and all outdoor sports, refer Herculan System Selection Chart.
Description of the sports surface	Porous and spike resistant, installed by cast-in-situ method with UV resistant EPDM rubber bonded with moisture cured Polyurethane material.

Herculan SR Safescape Field System properties:

Athlete surface interaction & System properties of the sports surface:

	8 mm	13 mm	8+7 mm
Force Reduction (EN 14808 DIN 18032-2)	21 %	33 %	45 %
Vertical Deformation (EN 14809 DIN 18032-2)	0.4 mm	0.6 mm	3 mm
Water Permeability (EN 12616) in mm/h	42.48	36.81	12.38
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	81		
Thickness (EN 1969)	8 mm	13 mm	15 mm
Vertical Ball Behavior (EN 12235 DIN 18032-2)	102 %		
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)	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)	8 mm 0.5 N/mm ² (0.5 MPa)		
	13 mm 0.5 N/mm ² (0.5 MPa)		
	8+7 mm - 0.45 N/mm ² (0.45 MPa)		
Elongation at break (EN ISO 527-1, DIN 54455)	> 42 %		
Resistance to Wear (EN-ISO 5470-1, ASTM C-501)	Taber H18 1 kg 1000 cycles 2.32 gram		
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		