



Herculan TC Pro, Tennis Court, sports floors are seamless cushioned, multi functional floors with point elastic properties.

Herculan TC Pro sports floors are specially designed for tennis but can also be used for badminton, indoor hockey and five-a-side-football.

The high performance seamless surface of the **Herculan TC Pro** systems is non-porous and gives the optimum slide and slip resistance. Herculan Court G is a sprayed polyurethane top-coating to achieve players' needs for ball pace and bounce.

All Herculan Sports Floors are easy to maintain and can be resurfaced when required.



Herculan TC Pro

Type of sports surface	Cushioned tennis surface for indoor and outdoor use.
Aim	Suitable for all tennis games indoor and outdoor, see Herculan System Selection Chart.
Description of the sports surface	1.5 mm of special coated polyurethane layer on bonded rubber granulate Sub-Base layer.

Herculan TC Pro System properties:

Athlete surface interaction:

System	Vertical Deformation (CEN/TC 217 N374)	Force Reduction (CEN/TC 217 N375 - DIN 18032)	Energy Restitution (prEN/TC 217)
Herculan TC PRO 3 + 1.5	1.4 mm	16%	47%
Herculan TC PRO 4 + 1.5	1.4 mm	20%	50%
Herculan TC PRO 7 + 1.5	1.4 mm	28%	53%

System Properties of the Sports Surface:

Vertical Ball Rebound (prEN 12235 - DIN 18032)	98%
Angular Ball Rebound (ITF CS/01010-04-092)	47 fast
Compression set (ASTM D-395-B)	1.9 %
Compression strength	> 4 N/mm ² (> 4 MPa)
Impact Resistance (EN 1517-1999)	> 12 Nm
Resistance against static load (24 hours)	25 kg/cm ²
Behavior under 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

Properties of the Herculan ST 100 Base Layer:

Surface Hardness (DIN 53505, ASTM D-2240)	Shore A = 76
Tensile Strength (EN ISO 527-1, DIN 54455)	10 N/mm ² (10 MPa)
Elongation at break (EN ISO 527-1, DIN 54455)	190 %
Tear Resistance (DIN 53515)	25 N/mm

Properties of the Herculan PU 145 Surface Layer:

Surface texture (macro, micro, porosity)	medium course, granular, closed
Surface color	see Herculan color chart
Resistance to Wear (EN 660-2, DIN 54004, ASTM C-501)	Taber H18 1 kg 1000 cycles 6.5 ‰
Gloss (DIN 67530)	< 1 ‰
Friction (Le Roux)	Dry 0.7 at 20 C
Light (Color) Fastness (DIN 54004)	8 (excellent)
Specular (light) Reflection (CEN/ TC 217 N376 - DIN 5033)	0.1 - 0.3 (color dependent)