

Herculan RT



RE-TOPPING



Herculan RT is the Re-Topping system for old synthetic sports floors.

The **Herculan RT** system is designed to provide a strong overlay for an existing cracked, damaged or just worn out sports floor, and give it a new lease of life.

The system includes for repairing damaged or cracked areas, lightly sanding the existing surface to provide a bond and overlaying with RT210 resin, mat coat and game lines to provide a brand new surface perhaps even with new colors, (two or three colors on the same floor, if required) and new game lines for your specified sports.

The whole procedure is a quick and economical way of resurfacing no removing existing floors not repairing the sub-base.

The high performance of the seamless surface of the **Herculan RT** system is non porous, therefore hygienic and easy to clean. **Herculan RT** systems provide the optimum slide and slip resistance. Due to the high tensile strength and elasticity of the **Herculan RT** 210 thickness layer and the excellent wear resistance of it's Herculan PU 145 or Herculan PI 100W top layer, this tough and durable sports floor can also be used, without extra protection, for exhibitions, concerts, speech-days and all kinds of other non sports functions.

A brand new floor as good as new!

Herculan RT

Type of sports surface	Multi-purpose point-elastic indoor sports surface.
Aim	Suitable for all indoor sports and multi functional use, see Herculan System Selection Chart.
Description of the sports surface	2 or 3 mm of coated polyurethane layer on bonded rubber granulate Sub-Base layer.

Herculan RT System properties:

Athlete surface interaction (depending on existing rubber thickness):

System Properties of the Sports Surface:

Resistance to Impact (EN 1517-1999)	> 12 Nm
Resistance against static load (24 hours)	25 kg/cm ²
Resistance to indentation (EN 1516)	< 0,11 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

Properties of the Herculan RT 210 Base Layer:

Surface Hardness (DIN 53505, ASTM D-2240)	Shore A = 76
Tensile Strength (EN ISO 527-1, DIN 54455)	12 N/mm ² (12 MPa)
Elongation at break (EN ISO 527-1, DIN 54455)	>220 %
Tear Resistance (DIN 53515)	30 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)