



Herculan TC Court Competition tennis courts are eco-friendly, seamless and semi cushioned tennis courts.

Herculan TC Court Competition tennis courts meet all the latest European Standards for tennis courts, the EN 14877:2006.

Herculan TC Court Competition tennis courts are certified by the International Tennis Federation [ITF] and are rated as Category 4, Medium Fast courts.

The **Herculan TC** Court Competition system passes the German AgBB/DIBt emission test and is rated as safe for indoor building material.

The high performance, seamless surface of the **Herculan TC** Court Competition system is non-porous, therefore hygienic and easy to clean. **Herculan TC** Court Competition surfaces provide true ball bounce for all playing skills, both for professional and recreational players in the game of tennis. The excellent ball pace, slip and sliding properties provide a perfect surface on which to play. The semi cushioned surface provides good shock absorption. This is due to the high mechanical strength and elastic properties of the Herculan ST 100 thickness layer and the superior wear resistance of its Herculan Court S top-layer. The excellent UV weather resistant properties make **Herculan TC** Court Competition a perfect court for indoor and outdoor use.

This tough and durable tennis court can also be used for exhibitions, concerts, speech-days and all other kinds of non-sports functions without the need for extra protection.

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



Types of Sports Surface	Hard court tennis surface for indoor and outdoor use.
Aim	Suitable for all tennis games indoor and outdoor, see Herculan Systems Selection Chart.
Description of the Sports Surface	Two layers of structured polyurethane top-coating on top of a structured primer layer

HERCULAN TC COURT COMPETITION SYSTEM PROPERTIES

Athlete Surface Interaction

System Properties of the Sports Surface

Vertical Ball Behavior [EN 12235 – DIN 18032-2]	99 %
Angular Ball Rebound [ITF CS/01010-04-092]	43 Medium Fast
Resistance to a Rolling Load [EN 1569:1999]	> 1500 N, < 0.5 mm
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.
Formaldehyde Emission [EN 717-1]	Class E1, No Formaldehyde.
AgBB: Health-related Evaluation of Emissions of Volatile Organic Compounds [VOC and SVOC]	Approved for Indoor usage

Properties of the Herculan Surface Layer

Surface texture [N/F 12.1 – Macro, Micro, Porosity]	Medium, Course, Closed
Surface Color	see Herculan Color Chart
Resistance to Wear [EN-ISO 5470-1, ASTM C-501]	Taber H18 1 kg 1000 cycles 320 mg
Gloss [EN-ISO 2813]	3 – 6 %
Friction [EN 13046-4]	Dry 95 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]
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

Herculan Sports Surfaces B.V.

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