HERCULAN SPORTS FLOORING

SYSTEM PROPERTIES

HERCULAN MF

	MF 5+2	MF 6+2	MF 7+2	MF 8+2
EN 14904 Class	-	-	P1	P1
NOC*NSF Class	-	-	3	3
Nominal thickness	7 mm	8 mm	9 mm	10 mm
Vertical deformation [EN 14809]	1,1 mm	1,1 mm	1,2 mm	1,2 mm
Shock absorption [EN 14808]	15%	22%	25%	29%
Thermal resistance: Rc-value	0,035 m².K/W	0,040 m².K/W	0,045 m².K/W	0,050 m².K/W
U-value	28,6 W/m².K	25,0 W/m².K	22,2 W/m².K	20,0 W/m².K

	MF 9+2 CLASS 2	MF 9+2 CLASS 3	MF 10+2	MF 12+3
EN 14904 Class	P1	P1	P2	P2
NOC*NSF Class	2	3	2	2
Nominal thickness	11 mm	11 mm	12 mm	15 mm
Vertical deformation [EN 14809]	1,3 mm	1,2 mm	1,1 mm	1,5 mm
Shock absorption [EN 14808]	32%	28%	35%	39%
Energy restitution [EN 14808]	66%	68%	62%	60%
Thermal resistance: Rc-value	0,055 m².K/W	0,055 m².K/W	0,060 m².K/W	0,075 m².K/W
U-value	18,2 W/m².K	18,2 W/m².K	16,7 W/m².K	13,3 W/m².K

GENERAL SYSTEM PROPERTIES

Technical properties		
Friction dry	80-110	[EN 13036-4]
Vertical ball behaviour	≥ 90%	[EN 12235]
Specular gloss	< 3%	[EN ISO 2813]
Shore hardness	~ 80 Shore A	[EN 53505]
Surface texture	Fine, closed	
Impact resistance	≥ 800 gr @ 10°C	[EN 1517]
	≥ 1000 gr @ 17°C	
	≥ 1200 gr @ 17°C	
Resistance to a rolling load (1500 N)	≤ 0,5 mm	[EN 1569]
Resistance to indentation	≤ 0,5 mm @ 24 hours	[EN 1516]
Resistance to wear	134 mg/1000 H18	[EN ISO 5470-1]
Fire behaviour	Bfl-S1	[EN 13501]
Sound absorption	Avg. < 0,06 at 1000Hz	

Toplayer		
Tensile strength	5 MPa	[DIN 53455]
Elongation at break	230%	[DIN 53455]
Angle tear	27 N/mm	[DIN 53515]
V.O.C. content system without coating	Solvent free	
V.O.C. content coating	28,0 gr/ltr (EU)	

Emission toplayer and coating after 28 days	
TVOC	200,0 µg/m³
Sum of SVOC	< 0,0 µg/m³
R	0,10
Sum of VOC without NIK	0,0 µg/m³
Sum of carcinogenic substances	< 0,0 µg/m³
Formaldehyde	No formaldehyde
Health related evaluation of emissions of volatile organic compounds	Approved for indoor use

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