HERCULAN SPORTS FLOORING

SYSTEM PROPERTIES

HERCULAN ME

	ME XR 3+2	ME SE 3+2	ME KH 3+2
EN 14904 Class	C4	C4	C4
NOC*NSF Class	1	1	1
Nominal thickness	45 mm	95 mm	43 mm
Vertical deformation [EN 14809]	3,5 mm	2,3 mm	2,4 mm
Shock absorption [EN 14808]	59%	58%	57%
Energy restitution [EN 14808]	34%	47%	47%
Thermal resistance: Rc-value	0,960 m².K/W	1,830 m².K/W	1,150 m².K/W
U-value	1,04 W/m².K	0,55 W/m².K	0,87 W/m².K

GENERAL SYSTEM PROPERTIES

Technical properties		
Friction dry	80-110	[EN 13036-4]
Vertical ball behaviour	≥ 90%	[ISO 2813]
Specular gloss	< 3%	[EN ISO 2813]
Shore hardness	~ 80 Shore A	
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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HERCULAN

Herculan
Energieweg 6
4231 DJ Meerkerk

P.O. Box 46
4230 BA Meerkerk
The Netherlands

T +31 183 35 47 00
E info@herculan.com
W www.herculan.com