

MB DIAMOND

SYSTEM PROPERTIES

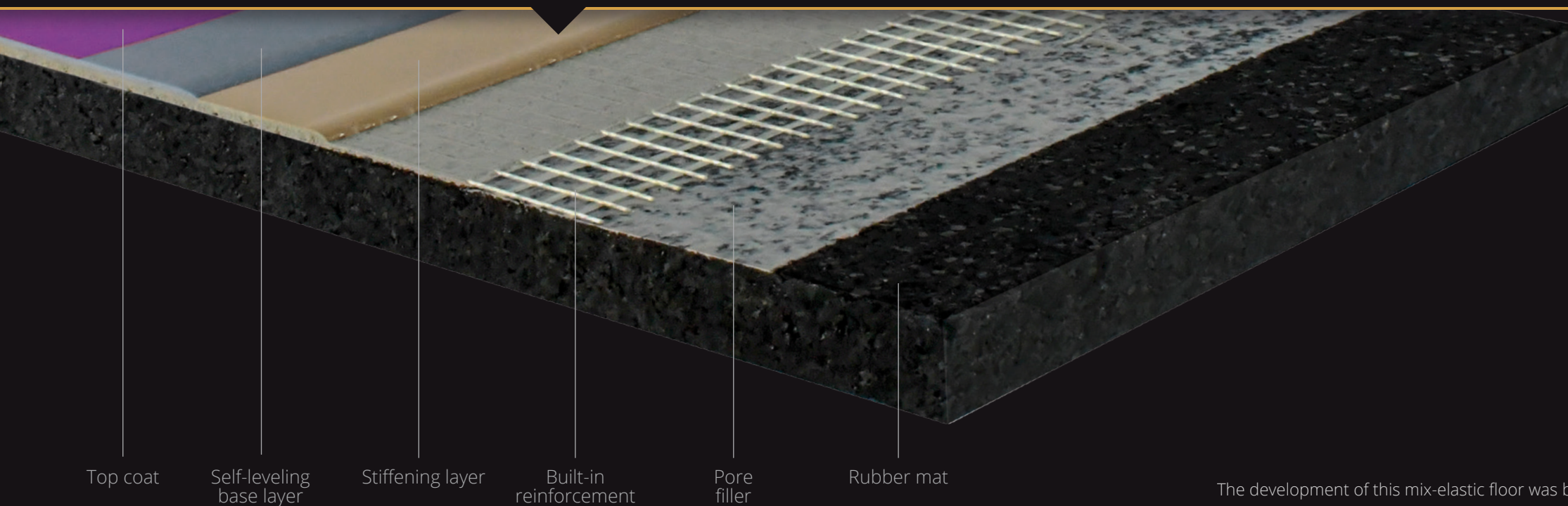
MB DIAMOND

EN 14904 Class	M3
NOC*NSF Class	1
Nominal thickness	18 mm
Vertical deformation [EN 14809]	2,9 mm
Shock absorption [EN 14808]	50%
Energy restitution [EN 14808]	57%
Thermal resistance: Rc-value	0,090 m².K/W
U-value	11,1 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	BI-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	53,8 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	

MIX-ELASTIC



TOP SPORT
LEVEL

The development of this mix-elastic floor was based on the specific requirements that had to be met to allow top athletes to achieve their maximum return. Thanks to its unique structure, high-grade composition and pressure-dividing layer, the MB Diamond is a sports floor that ranks to the absolute top.

INDOOR SPORTS FLOORS

MB DIAMOND

CERTIFIED PROVEN RELIABILITY

- OUTSTANDING WEAR RESISTANCE
- HIGHEST ATTAINABLE FIRE CLASS FOR SPORTS FLOORS: BFL-S1
- RESISTANT TO HEAVY LOADS WITH MULTIFUNCTIONAL ACTIVITIES
- LOW-MAINTENANCE AND EASY TO CLEAN
- SEAMLESS

MULTI
FUNCTIONAL

The unique structure not only makes the floor highly suitable for intensive sports, but also for non-sports-related activities, such as trade fairs, exhibitions and lectures. The sports floor does not need additional protection for these kinds of activities.

EXTREMELY
STRONG WITH
A SPORTY
CHARACTER

The Herculan MB Diamond system has excellent sports-related properties, such as ball bouncing capacity and shock absorption, combined with high mechanical strength. These properties make the sports floor almost indestructible.

	Thickness	Shock absorption (EN 14808)	European Standard (EN 14904)	NOC*NSF (Norm US1-15)
MB Diamond	ca. 18 mm	50%	M3	Class 1