



Rack-Mammut® Floor Rail Barrier

Technical data sheet



The Rack-Mammut® floor barrier provides reliable protection for low-level areas in warehouses, production facilities, and outdoor zones. It effectively safeguards walls, machinery, and maneuvering areas from damage.

Versatile in use – ideal beneath handrails for added safety or as a stop for pallets and stored goods.



For medium-high traffic

PRODUCT SPECIFICATIONS

Product features	High-performance, durable special plastic absorbs any impact energy and returns to its original shape. It offers extremely low maintenance and repair cost savings on barriers, racking systems, and industrial trucks.
Material	Polyolefin, UV-resistant, fire class HB, non-conductive, impermeable to most chemical products
Colour	Yellow / Black

FIXING

Concrete Quality	Minimum C25/30
Concrete Floor Plate Thickness	Minimum 150 mm
Heavy-duty concrete anchor	L = 110 mm ; Ø = 12 mm ; M12 45 Nm max. tightening torque 19,7 kN min. pull-out force

DIMENSIONS

Height	160 mm
Width	130 mm
Length	1,70 m

IMPACT TEST PARAMETERS & VALUES PER PAS 13:2017, Sec. 7.5

Test conditions	Impact height:	70 mm
	Pendulum Mass (kg):	2362,2 kg
	Pendulum Arm Length (m):	1,53 m
	Pendulum Angel (Radius°):	28°
Kinetic Energy	Pendulum Speed (m/s):	1,87 m/s
	90° impact (Joule):	3.943 J
	45° impact (Joule):	7.885 J
	Deflection (mm):	125 mm

SPEED / KG SAMPLE CALCULATION

Reference speed	7 km/h	For a vehicle with a gross weight of 4.150 kg with an impact angle of 45°
Calculation	$\frac{1}{2} \text{ Mass (kg)} \times \text{Speed}^2 \text{ (m/s)} = \text{Joules}$ (Formula applies for an impact angle of 45°)	





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