

**Ballistic Rubber Block
Specification**



Ballistic Rubber Block

Product	Basic Ballistic Rubber Block
Description	Ballistic Shooting Block made of black, MDI polyurethane bound rubber-shred, bound by an MDI polyurethane binder
Purpose	To absorb projectiles in ballistic shooting facilities
Size	600 mm x 300 mm x 225 mm
Density	800 kg/m ³
Weight	34.5 kg/pc

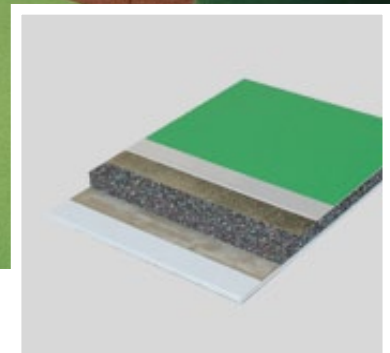
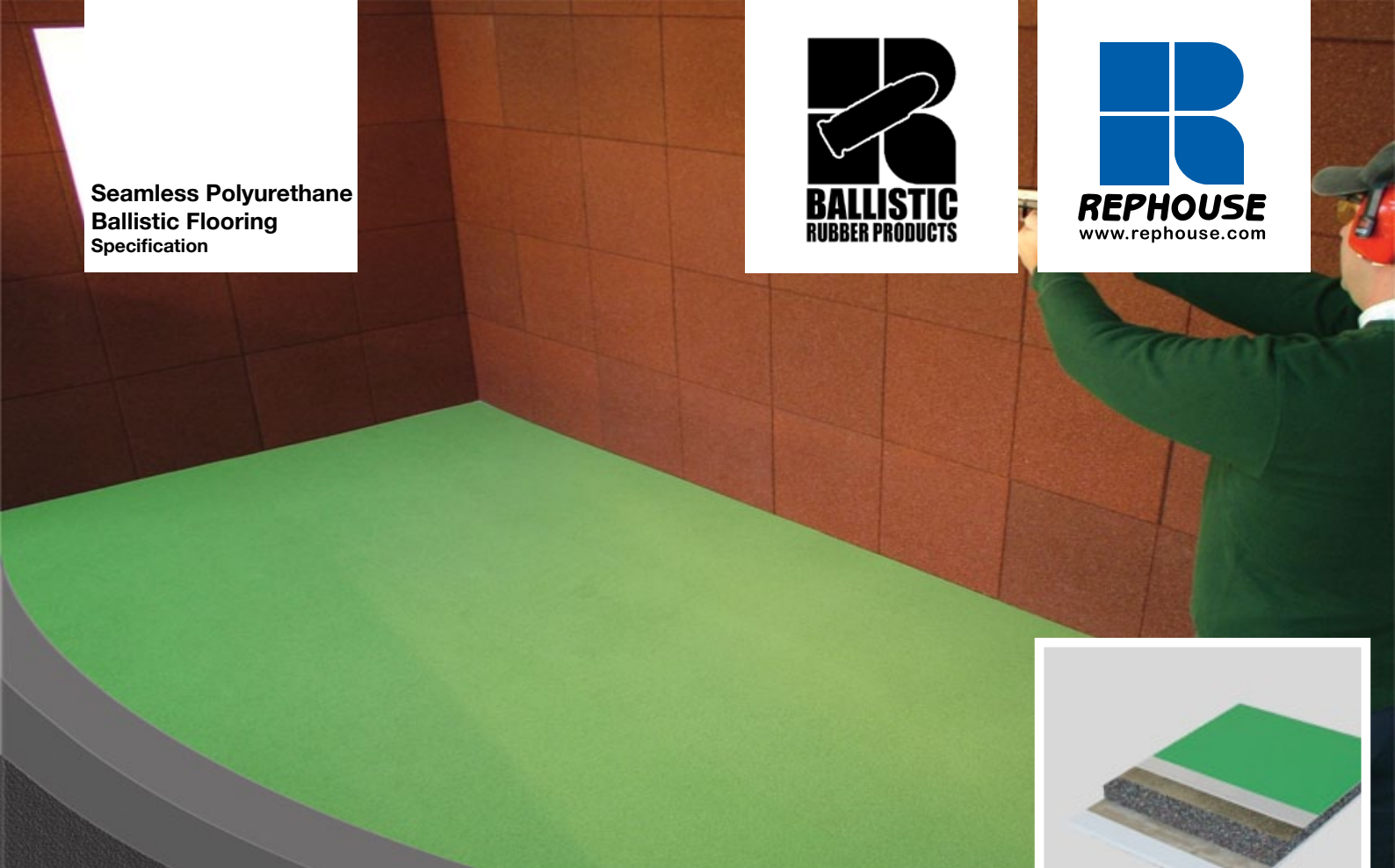


Test Data

Characteristic	Test Method	Result
Bullet Resistance	Various Weapon Systems	The projectiles and fragments were absorbed by the rubber tile and no ricochet beyond an incident angle of 10° or above occurred.
Burning Behaviour	EN 13501	B _{fl} -s1
Tensile Properties	DIN53571 Tensile Strength Elongation at Break	0.72/mm ² 69%
Stability at 90°C		Stable
Compression Modulus	DIN 18032-2	1.97 N/mm ²

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**Seamless Polyurethane
Ballistic Flooring
Specification**



Seamless Polyurethane Ballistic Flooring

Product	45 mm Seamless Polyurethane Ballistic Flooring
Description	45 mm thick Seamless Ballistic Flooring is a dual Durometer indoor seamless ballistic flooring systems comprised of a 43mm thick prefabricated black rubber ballistic tile sealed with a polyurethane pore sealer and covered with a 2mm thick self-leveling wear coat which is finished with a colored top coat.
Purpose	To avoid ricochet as well as residue buildup in ballistic shooting facilities
Thickness	43 + 2 = 45 mm
Density	800 kg/m ³
Adhesive Required	Rephouse PU88 2-Part Polyurethane Adhesive

Test Data

Characteristic	Test Method	Result
Ricochet Properties	Various Weapon Systems	The projectiles and fragments were absorbed by the rubber tile and no ricochet beyond an incident angle of 15° or above occurred.
Force Reduction	DIN 18032-2	48%
Deformation	DIN 18032-2	2.80 mm
Abrasion Resistance	ASTM D 4060 Taber CS17/1000R	0.039 gr 0.05 mm
Burning Behaviour	EN 13501	C _{fl} -s1
Impact Resistance	DIN 18032-2	15 Nm
Remaining Indentation	DIN 18032-2	0.13 mm
Rolling Load without Damage	DIN 18032-2	1000 Nm
Sliding Behavior	DIN 18032-2	0.43 μ

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**Rubber Ballistic
Fragmentation Sheet
Specification**



Rubber Ballistic Fragmentation Sheet

Product	Rubber Ballistic Fragmentation Sheet Curtain
Description	Rubber sheet made of black, rubber-shred, bound by an MDI polyurethane binder.
Purpose	In combination with bullet traps, to avoid ricochet in ballistic shooting facilities
Thickness	12 mm
Density	935 kg/m ³
Width	1.5 m
Length	To suit

Test Data

Characteristic	Test Method	Result
Tensile Properties	ISO 37 – 1994	
Modulus at 10% Elongation		0.37 MPa
Modulus at 20% Elongation		0.53 MPa
Tensile Strength		0.66 MPa
Elongation at Break		61%
Tear Strength	ISO 34/2 – 1996	9.9 Nm
Hardness Shore A	ISO 7619 – 1997	44°
Rebound Elasticity	ISO 4662 – 1986	42%
Compression Set	ISO 815 – 911	
	72 hours / 23°C	15.2%
	72 hours / 70°C	44.8%
Swelling in Water	ISO 1817 – 1985	
	168 hours/23°C (v/v)	7.4%
Compression Stress/Strain	ISO 7743 – Method A	
Compression modulus at 10% Compression		0.29 MPa
Compression modulus at 20% Compression		0.63 MPa
Heat Conductivity	ISO 8302 + EN 673/674	
Heat Conductivity Coefficient		0.1744 W/mk

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**Ballistic Rubber Tiles
Specification**



45mm Ballistic Rubber Tile

Product	Basic 45mm Ballistic Rubber Tile
Description	Ballistic safety surface tile made of black, MDI polyurethane bound rubber-shred, with a smooth MDI polyurethane bound wearing surface supported by a black, flat moulded lower structure.
Purpose	To avoid ricochet in ballistic shooting facilities
Thickness	45 mm
Sizes	505 mm x 505 mm 1010 mm x 505 mm 605 mm x 605 mm
Density	800 kg/m ³

Test Data

Characteristic	Test Method	Result
Bullet Resistance	Various Weapon Systems	The projectiles and fragments were absorbed by the rubber tile and no ricochet beyond an incident angle of 10° or above occurred.
Burning Behaviour	EN 13501	B _f -s1
Tensile Properties	DIN53571 Tensile Strength Elongation at Break	0.72/mm ² 69%
Stability at 90°C		Stable
Compression Modulus	DIN 18032-2	1.97 N/mm ²

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