



Benefits & Features

- ✓ Tested to absorb projectiles up to 7,000 joules, thereby reliably preventing ricochets and stray bullets
- ✓ Versatile use in the target area of indoor and outdoor shooting ranges
- ✓ Modular block system enables variable protective walls and temporary shooting and deployment scenarios
- ✓ Robust and durable, only minor impact marks are created and damaged block elements can be easily replaced.
- ✓ Easy to install thanks to segmented design and minimal preparation requirements
- ✓ Improved acoustics in shooting ranges, thanks to high sound absorption up to α_w 0.75

Shooting protection

- ✓ From 200 to 7,000 J (in accordance with Section 27a and Section 58(23) of the German Weapons Act (WaffG) to prevent rebounding and ricocheting projectiles

[DOWNLOAD INSTALLATION
RECOMMENDATION](#)

Product data sheet no. 9144 - R-05 | Issue: February 2026
previous product name: SPORTEC® shooting Block

SHIELDTAC® blocks

SHIELDTAC® blocks, previously known as **SPORTEC®** shooting block, are a specially developed product for securing danger zones in the target area of indoor and outdoor shooting ranges. They are used as energy-absorbing protective elements that significantly reduce the risk posed by projectiles, splinters and ricochets. Depending on the installation and positioning, SHIELDTAC® blocks are capable of effectively absorbing projectile energies of up to 7,000 joules or reducing them to such an extent that there are no or only negligible safety-related effects on the rear side. Thanks to their material properties, SHIELDTAC® blocks can be used in a variety of ways within safety-related protection concepts in the target area. In addition, the system is suitable for the temporary lining of mobile training units, for example for setting up variable protective walls with which different shooting and deployment scenarios can be realistically and safely simulated.

Material

Material	PU-bonded rubber
-----------------	------------------

Product Design

Colour(s)	red, black
------------------	------------



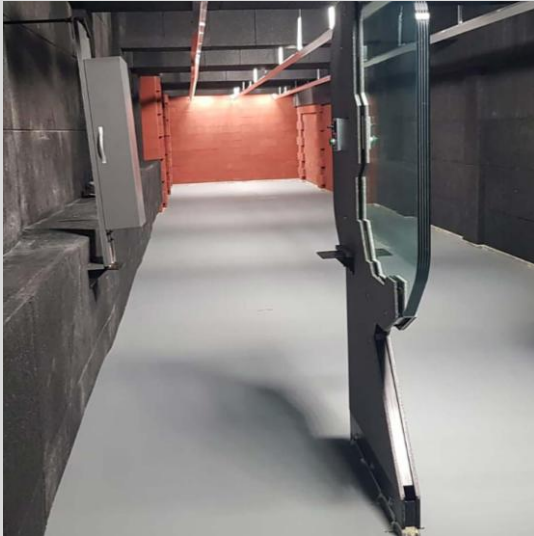
low colour differences are conditional of material

Dimensions / Weight / Tolerances

Length x width x height:	500 mm / 300 mm / 200 mm ($\pm 0.8\%$) 250 mm / 300 mm / 200 mm ($\pm 0.8\%$)
---------------------------------	--

Weight:	at 500 mm x 300 mm x 200 mm approx. 25.5 kg at 250 mm x 300 mm x 200 mm approx. 12.75 kg
----------------	---

Product Testing



Fire resistance	E_{fi} (DIN EN 13501-1)
Shooting protection	Tested and assessed by WERNER J. WAGNER (publicly appointed and sworn expert for the safety of non-military shooting ranges by the IHK OFR) (Expert report no. 210/2025)
Energy range	From 200 to 7,000 J (in accordance with Section 27a and Section 58(23) of the German Weapons Act (WaffG) to prevent penetrating, rebounding and ricocheting projectiles or projectile fragments in shooting and safety-related components in shooting ranges)
VOC-emission rating	French VOC Regulation AFFSET (A+)
Hardness	60 ± 5 Shore A (DIN 53505)
Temperature range	-30°C bis 80°C (internal tested)
Sound absorption coefficient	0,75 α_w

Test setup

Produkt	Thickness (mm)	Distance to the wall (mm)	Special feature
SHIELDTAC® block	200	0	-

Sound absorption frequency [Hz]							α_w
125	250	500	1000	2000	4000		
0,45 α_p	0,60 α_p	0,70 α_p	0,75 α_p	0,80 α_p	0,80 α_p	0,75*	

* (measured according to DIN EN ISO 354:2003-12 and evaluated according to DIN EN ISO 1654:1997-07); corresponds to **class C** based on calculations. Absorption behavior with a **focus on the mid and high frequency range (250–4000 Hz)**. This effectively reduces the reflection of gunshot noise and reverberation in enclosed shooting ranges.

Storage Advice

The goods should be stored in a dry room with good air circulation to prevent moisture and mould growth. The protective film must also be removed when the goods arrive to ensure proper ventilation and prevent condensation.

Installation

Installation has to be done in accordance to the Installation recommendation of **SHIELDTAC® blocks**. The latest version of the Installation Recommendation can be downloaded from the website of KRAIBURG Relastec GmbH & Co. KG.