KRAIBURG RELASTEC

SHIELDTAC®

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.

Benefits & Features

- Tested to absorb projectiles up to 7,000 joules, thereby reliably preventing ricochets and stray bullets
- Improved acoustics in shooting ranges, thanks to high sound absorption up to αw 0.75.
- Robust and durable, only minor impact marks are created.
- Easy to install and renew thanks to segmented design.
- Modular block system allows variable protective walls and temporary shooting and deployment scenarios.

Government & Defence

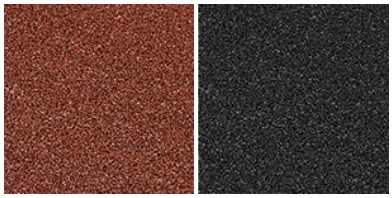
- NATO CAGE-registered manufacturer (NCAGE: **CF121**)

Material

Material	PU-bonded rubber

Product Design

Colour(s)	red and black



low colour differences are conditional of material

Surface	open-pored smooth, straight edge

Dimensions / Weight / Tolerances

Length x width x height:	500 mm / 300 mm / 200 mm (± 0.8 %) 250 mm / 300 mm / 200 mm (± 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_{fl} (DIN EN 13501-1)
VOC-emission rating	French VOC Regulation AFFSET (A+)
Hardness	60 ± 5 Shore A (DIN 53505)
Temperature range	-30°C to 80°C (internal tested)
Sound absorption coefficient	0,75 α_w

DOWNLOAD INSTALLATION RECOMMENDATION

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

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qualityaustria SYSTEMZERTIFIZIERT
ISO 9001:2015 NR. 00186/0
ISO 14001:2015 NR. 05343/0
ISO 50001:2018 NR. 00070/0

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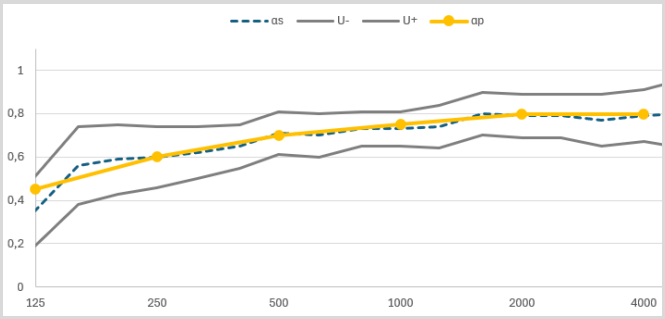

Test setup			
Produkt	Thickness (mm)	Distance to the wall (mm)	Special feature
SHIELDTAC® block	200	0	-

Sound absorption						
frequency [Hz]						
125	250	500	1000	2000	4000	α_w
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 11654:1997-07); 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.

Ballistic Tests

Testing Institute	Test basis
Authorised Shooting Range Expert Werner J. Wagner	In accordance with Section 27a and 58 (23) of the Weapons Act on the prevention of ricocheting and deflected projectiles, Expert Report 210/2025, Energy range: 200–7,000 J
Beschussamt München (Munich Proof House)	In accordance with the internal operational and testing Instructions of KRAIBURG Relastec for SHIELDTAC blocks, test report 26M008A01 Energy range: 400–3,500 J
TNO (The Hague, Netherlands)	Ballistic test

We can provide further information and full test reports upon request.

Note: **SHIELDTAC® blocks** is intended for projectile energies of at least 200 J.

Sustainability

Recycling content > 80%

Storage Advice

The goods should be stored indoors in a dry, clean, and well-ventilated area to prevent moisture and mould growth. Direct sunlight, UV exposure, strong heat sources and significant temperature fluctuations should be avoided.
We recommend that the protective foil should be opened or partially removed upon delivery to ensure adequate air circulation whilst ensuring that the goods should remain sufficiently covered to protect them from dust and other contaminants.

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.

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