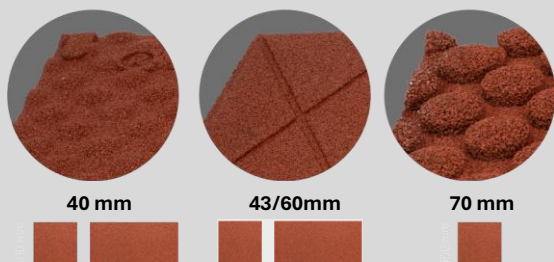


SHIELDTAC®



Benefits & Features

- ✓ Tested to absorb projectiles up to 10,000 joules, reliably preventing ricochets and rebound of bullets.
- ✓ Improved acoustics in shooting ranges, thanks to high sound absorption up to α_w 0.75.
- ✓ Robust and durable, only minor impact marks are created and damaged tiles can be easily replaced.
- ✓ Easy to clean, quick to install, simple to renew or replace.
- ✓ Optionally available with PU coating for a smooth, seamless floor surface (SHIELDTAC® ricosys PU)
- ✓ The factory-installed connectors ensure a form-fitting connection between the tiles and significantly increase the overall stability of the system.

Government & Defence

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

**DOWNLOAD INSTALLATION
RECOMMENDATION**

Product data sheet no. 9142 - R-05 | Issue: September 2026
previous product names: SPORTEC® shooting
SporTec Shooting Euroflex G

SHIELDTAC® ricotile

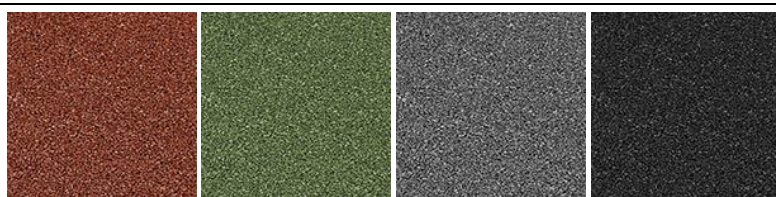
The SHIELDTAC® ricotile, *previously known as SPORTEC® shooting*, is suitable for floor, wall and ceiling coverings in indoor and outdoor shooting ranges. The rubber tiles are available in thicknesses of **40**, **43**, **60** and **70** mm.

Material

Material	PU-bonded rubber
Connector Pins	8 pcs/lm

Product Design

Colour(s)	Red and black: available in all thicknesses Green and grey: only available in 40 mm
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low colour differences are conditional of material

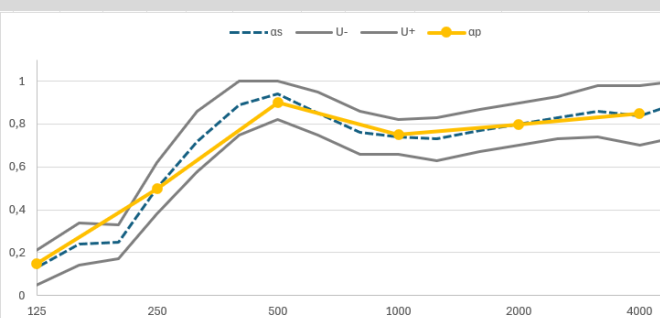
Surface	open-pored smooth, bevelled edges
Lower side	smooth with St. Andrew's Cross pattern (43, 60 mm) semi-round dimple profile (40, 70 mm)

Dimensions / Weight / Tolerances

Thickness(es):	40, 43, 60, 70 mm (± 2 mm)
Length x width x height:	500 x 500 x 40 mm 500 x 500 x 60 mm 500 x 500 x 70 mm 1.000 x 500 x 40 mm 1.000 x 500 x 43 mm Tolerances: Length/Width: $\pm 0.8\%$
Tile Weight:	approx. 6.8 kg (at 500 x 500 x 40 mm) approx. 12.2 kg (at 500 x 500 x 60 mm) approx. 10.4 kg (at 500 x 500 x 70 mm) approx. 13.5 kg (at 1000 x 500 x 40 mm) approx. 17.5 kg (at 1000 x 500 x 43 mm)
Density:	upon request

Product Testing

Fire resistance	E _n (DIN EN 13501-1)
VOC-emission rating	French VOC Regulation AFFSET (A+)
Anti-slip property	R 10 (DIN EN 16165)
Step sound insulation	28 dB (at 40 mm) 23 dB (at 43 mm) (DIN EN ISO 10140-3:2021-09)
Tensile strength	min. 0,75 N/mm ² (EN ISO 1798)
Elongation at break	min. 50 % (EN ISO 1798)
Hardness	60 ± 5 Shore A (DIN 53505)
Resistance	Conditional: acids & alkalis (internal tested) Resistant: salt water (DIN EN ISO 175) Resistant: UV (DIN EN 1297)
Temperature range	-30°C to 80°C (internal tested)
Wear behaviour	rV 5.9 (DIN V 18035-6)
Electrostatic properties	0.5 kV (EN 1815:2016) (antistatic)
Sound absorption coefficient	0,75 α_w



Test setup						
Product		Thickness (mm)	Distance to the wall (mm)		Special feature	
SHIELDTAC® ricotile		40	50		Lower side facing up	
Sound absorption						
frequency [Hz]						
125	250	500	1000	2000	4000	α_w
0.15 α_n	0.5 α_n	0.9 α_n	0.75 α_n	0.8 α_n	0.85 α_n	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 (500–4000 Hz)**.
This effectively reduces the reflection of gunshot noise and reverberation in enclosed shooting ranges.

Ballistic Tests

SHIELDTAC® ricotile 40 mm

Test Institute	Test basis
Beschussamt München (Munich Proof House)	Shooting Range Guidelines, 1995 edition, as at 01/2000, Test Report No. B-31/2009, Energy range: 200–10,000 J

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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® ricotile**. The latest version of the Installation Recommendation can be downloaded at the website of KRAIBURG Relastec GmbH & Co. KG.

Product data sheet no. 9142 - R-05 | Issue: September 2026
previous product names: SPORTEC® shooting
SporTec Shooting Euroflex G

**Authorised
Shooting Range
Expert Werner J.
Wagner**

In accordance with Section 27a and 58 (23) of the Weapons Act on the prevention of ricochets and deflected projectiles (splinter protection), Expert Report 211/2025, Energy range: 600–7,000 J

**Beschussamt
München
(Munich Proof
House)**

In accordance with the operational and testing instructions for conducting ballistic tests on materials for the German Armed Forces, Version 4, Test Report 26M007A01, Energy range: 400–3,500 J

SHIELDTAC® ricotile 43 mm

Test Institute

Test basis

**HTBLVA Ferlach,
Austria**

In accordance with VPAM ARG 3 based on customer specifications, Test report 201325, Energy range: 200–7,000 J

**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 (splinter protection), Expert Report 211/2025, Energy range: 600–7,000 J

SHIELDTAC® ricotile 70 mm

Test Institute

Test basis

**Beschussamt
München
(Munich Proof
House)**

In accordance with the operational and testing Instructions for conducting ballistic tests on materials for the German Armed Forces, Version 4, Test Report 26M006A01 Energy range: 400–3,500 J

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

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