

Benefits & Features

- ✓ Tested to absorb projectiles up to 7,000 joules, thereby reliably preventing ricochets and stray bullets
- ✓ High fire rating (Bfl-s1) according to EN 13501-1.
- ✓ Addition of PU coating to SHIELDTAC® ricotiles. Creates a safe, seamless and fireproof surface for shooting ranges.
- ✓ Robust and durable, only minor impact marks, damaged areas can be easily repaired with the repair kit.
- ✓ Easy to clean, as dirt and powder residues can be removed easily from the smooth surface without risk of fire
- ✓ Available in several RAL colours. Can be adapted to the design and requirements of different shooting ranges.

Shooting protection

- ✓ From 200 J to 7,000 J (according to VPAM-ARG version 3 in extended scope (including 10° angle and additional lead-free projectiles) for official and civilian indoor and outdoor shooting ranges.

[DOWNLOAD INSTALLATION RECOMMENDATION](#)

SHIELDTAC® ricosys PU

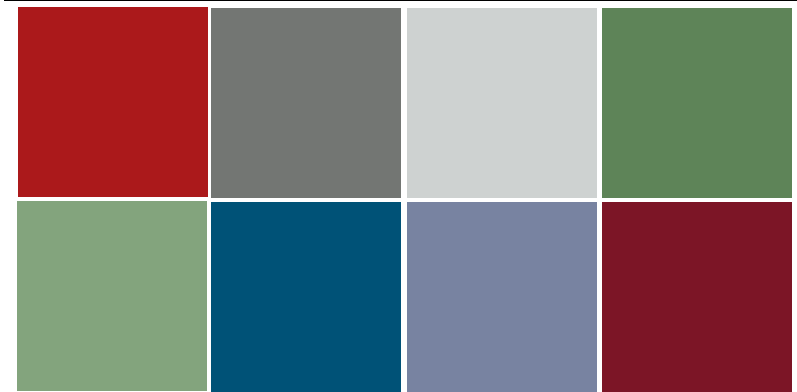
SHIELDTAC® ricosys PU, previously known as **SPORTEC®** shooting SFR, is a special PU-based coating that is applied to SHIELDTAC® ricotiles as a system component, creating a closed, jointless surface that is suitable for fire protection on floors in shooting ranges. The material design reliably prevents ricochets and stray bullets in the floor area. At the same time, the closed surface prevents the penetration of gunpowder residues, facilitates cleaning and reduces the risk of fire. SHIELDTAC® ricosys PU meets the requirements of fire class Bfl-s1 and is available in eight different colours. In combination with SHIELDTAC® ricotiles, the flooring system has been tested in an extended test setup with projectile energies of up to 7,000 joules, making it an integral part of a comprehensive safety concept for shooting range floors. SHIELDTAC® ricosys PU can also be combined with other protective solutions from the SHIELDTAC® system portfolio.

Material

Material	Polyurethane
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Product Design

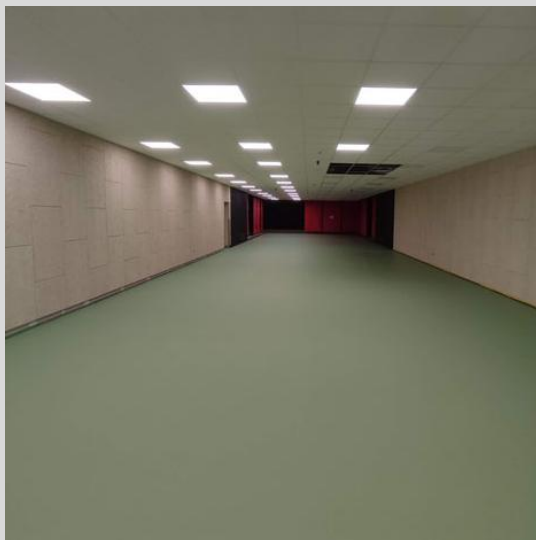
Farbe(n)	RAL 3020, RAL 7005, RAL 7035, RAL 6011, RAL 6021, RAL 5009, RAL 5014, RAL 3003
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low colour differences are conditional of material

Dimensions / Weight / Tolerances

Thickness(es):	42 mm (SHIELDTAC ricotile 40 mm + 2 mm ricosys PU)
	45 mm (SHIELDTAC ricotile 43 mm + 2 mm ricosys PU)
	Tolerance: ± 2 mm (SHIELDTAC ricotile)



Product Testing

Fire resistance	B _{fl} -s1 (DIN EN 13501-1)
Shooting protection	Tested and certified by HTBVLA Ferlach (test reports nos. 200925, 201025, 201125 and 201225)
Energy range	From 200 J to 7,000 J (according to VPAM-ARG version 3 in extended scope (including 10° angle and additional lead-free projectiles) for official and civilian indoor and outdoor shooting ranges.
VOC-emission rating	French VOC Regulation AFFSET (A+)
Anti-slip property	R 10 (DIN EN 16165)
Hardness	80 ± 5 Shore A (DIN 53505)
Electrostatic properties	0,9 kV (EN 1815:2016) (antistatic)
Wear Resistance (ASTM D4060 CS 1000/1kg)	0,02 g

Technical Specifications

Density (20°C)	approx. 1300 kg/m ³
Pot life (20°C)	ricosys Pore Filler: approx. 20-25 minutes ricosys Protector: approx. 15 – 20 minutes ricosys Finisher: approx. 45 – 60 minutes
Recoatable (20 °C)	each layer after approx. 16h and a maximum within 48h
Fully cured (20 °C)	after approx. 7 days

Storage Advice

The goods must always be stored in tightly sealed original containers in a cool, dry place protected from direct sunlight. The optimum storage temperature is between approx. +5 °C and +25 °C. When stored correctly, the shelf life of the components is approximately 12 months. The containers are not frost-resistant, which must be taken into account during transport.

Installation

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