



## Benefits & Features

- ✓ Tested absorption of splinters and fragments from projectiles up to 7,000 joules
- ✓ Effective reduction of residual energy released by projectile fragments
- ✓ Protection in the bullet trap area to reduce flying splinters, fragments and particles
- ✓ Low installation effort and easy integration into existing systems
- ✓ Flexible system for different bullet trap geometries
- ✓ Increases safety in the immediate environment of the shooter and in the target area

## Splinter protection

- ✓ From 200 to 7,000 joules in accordance with Section 27a and Section 58(23) of the German Weapons Act (WaffG) for the prevention of ricocheting and rebounding projectiles (only tested for splinter protection)

[DOWNLOAD INSTALLATION RECOMMENDATION](#)

Product data sheet no. 9172 - R-05 | Issue: February 2026  
previous product name: SPORTEC® fragsafe

# SHIELDTAC® fragsafe

SHIELDTAC® fragsafe, previously known as **SPORTEC® fragsafe**, is a specially developed splinter protection curtain used in the area of bullet traps. This is where bullets fragment on impact and splinters are released. The curtain serves to specifically protect the shooter area from flying splinters, bullet fragments and tiny particles. Thanks to its material design, **SHIELDTAC® fragsafe** is able to absorb splinters and fragments from projectiles and effectively reduce their residual energy. In this way, **SHIELDTAC® fragsafe** makes a significant contribution to increasing safety in the immediate shooter environment and complements the bullet trap as a useful upstream protective measure.

## Material

<b>Material</b>	PU-bonded rubber
-----------------	------------------

## Product Design

<b>Colour(s)</b>	multi-coloured
------------------	----------------



low colour differences are conditional of material

## Dimensions / Weight / Tolerances

<b>Thickness(es)</b>	6, 8 and 10 mm (± 0.3 mm) (other thicknesses on request)
<b>Roll width</b>	1,250 mm (± 1.5 %)
<b>Roll length</b>	20 mm (at 6 mm) 15 mm (at 8 mm) 12 mm (at 10 mm) (± 1.5 %)
<b>Density</b>	approx. 1050 kg/m <sup>3</sup>
<b>Area weight</b>	approx. 6,3 kg/m <sup>2</sup> (bei 6 mm) approx. 8,4 kg/m <sup>2</sup> (bei 8 mm) approx. 10,5 kg/m <sup>2</sup> (bei 10 mm)



## Product Testing

<b>Splinter protection</b>	Tested and assessed by WERNER J. WAGNER (publicly appointed and sworn expert for the safety of non-military shooting ranges by the OFR Chamber of Industry and Commerce) (Expert opinion no. 212/2025)
<b>Energy range</b>	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)
<b>Tensile strength</b>	min. 0,8 N/mm <sup>2</sup> (EN ISO 1798)
<b>Elongation at break</b>	min. 125 % (EN ISO 1798)
<b>Hardness</b>	60 ± 5 Shore A (DIN 53505)
<b>Temperature range</b>	-30°C bis 80°C (internal test)
<b>VOC-emission rating</b>	French VOC Regulation AFFSET (A+)

## Storage Advice

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

## Installation

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