

Ballistiflex

SOFT VINYL FOR SHOOTING STAND Anti-return curtains & bullet traps

Safety in shooting ranges is a major issue. There is always the risk that a lost ball or a ricochet will become a danger to the safety of the shooters. The installation of an interception screen in front or inside of the bullet trap is therefore a solution.

When fired, the projectile sinks into the BALLISTIFLEX material it passes through before ending in the trap. The created hole then immediately closes under the effect of the heat generated by the bullet, the product is said to "self-healing" and up to several impacts in the same place. A bullet or projectile that would ricochet over the trap will be intercepted by the back of the curtain avoiding any return to the firing zone.

Our vinyl products for shooting range applications are extremely elastic, resistant and durable. Their "self-healing" property is superior to many products due to the amorphous nature of vinyl. It acts like a thick gel as the bullet passes and closes the lead dust, thus preventing their vaporization into the atmosphere.



The reinforced viscoelastic properties of soft vinyl allow for an average absorption of 35 dB on the human hearing spectrum creating an acoustic barrier against impact noise in the trap and aspirations. The use of curtains also makes it possible to confine the lead dust in the trap for better suction of the latter.



/ A UNIQUE KNOW-HOW

EXTRUFLEX main productions site are located FRANCE and CHINA. Today world number 1 in extrusion of strips, curtains and soft vinyl panels, EXTRUFLEX is integrated in the manufacture of its compound (the starting granule which can be additive). EXTRUFLEX puts at the service of its customers 50 years of experience to offer them the best products adapted to their needs and their performance requirements.

50 YEARS EXPERIENCE IN SOFT VINYL EXTRUSION

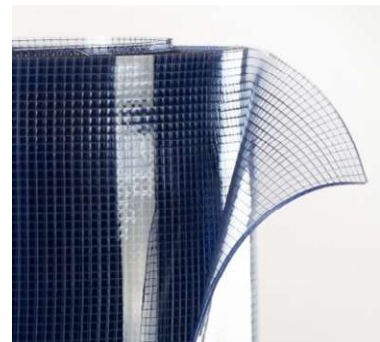
/ TECHNICAL DATA

	STANDARD	BALLISTIFLEX
Polymer type		Soft Vinyl
Hardness (shores A)	EN ISO 868	80 to 65
Tensile strength at break (N/mm ²)	EN ISO 527	10 to 16
Elongation at break (%)	EN ISO 527	340 to 440
Tearing resistance (N/mm)	DIN 53515	25 to 50
Fire resistance	EUROCLASS M classification Fire marshal	On request
Density		1.18 to 1.28
Usage temperature		-15 to 60°C
Colors		Red, yellow, grey, white & black

The data contained in this technical specification is given for information only and is based on our current knowledge of the products concerned.
This information given to our customer in good faith to inform him and to help him in his search, does not constitute any formal or implicit guarantees as to its use.

/ BALLISTIFLEX' ADVANTAGES

- Robust and elastic products
- The flexible vinyl EXTRUFLEX is self-healing and retains lead dust during the passage of the ball.
- Flexibility of supply and mastery of performance, EXTRUFLEX can provide to the dimension.
 - o Thicknesses from 1 to 12mm
 - o Widths from 100mm to 2,2m
 - o Flexibility and adjustable mechanical properties.
 - o Available in reinforced version (polyester mesh)
 - o Matte or glossy surface appearance
- Strong thickness recommended for bullet traps (10mm)
- Possibility to simultaneously use the curtains as projection screen and interception barrier for shooting on moving targets (opaque white panels)
- Easy and fast implementation. EXTRUFLEX can supply the hanging accessories.
- Economical and maintenance-free solution



Reinforced (polyester mesh)

/ OUR WORLDWIDE REFERENCES

- Our products are approved and in use by the German POLICE for more than 10 years and by the Chinese POLICE for 2 years.

