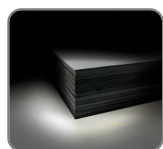
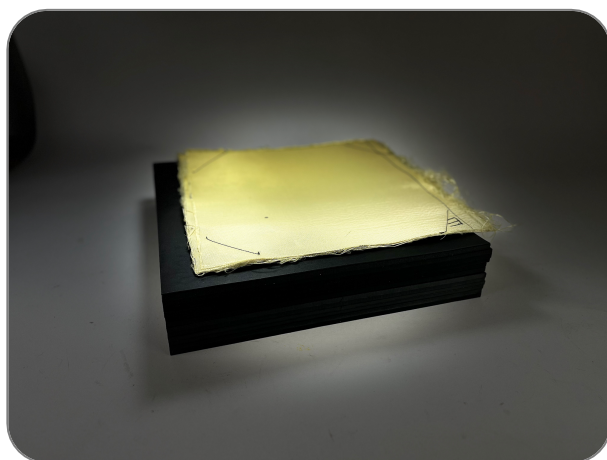


# Biofidelic Shoot Pack (BSP)

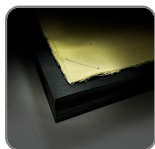
Realistic assessment of soft armour for perforation and penetration resistance



BSP epidermis, dermis and tissue layers



BSP with optional backing for DOP analysis



Ballistic fabric evaluation with the BSP

- Provides thoracic biofidelic dynamic compliance, skin and dermis perforation resistance for assessing soft and light-weight armour systems.
- Certified to the TP5 pack specifications established by the TTCP LND (collaboration with AU, CDN, NZ, UK, USA).
- Validated performance across a wide range of relevant masses and speeds (50-1000 m/s) for bullets, fragmentation threats, and very light weight projectiles representing natural ejecta from IEDs.
- Suitable for evaluating protective fabrics from single-layer to multi-layer armour systems.
- Can be used for full-scale explosive tests to assess fragmentation threats when used as a witness medium with optional fiber layers supplied by the user.
- Provides additional diagnostics and benefits such as ease of use, no conditioning compared to ballistic clay backing methods.
- Reference: Ouellet, S., Pageau, G., James, G., "A New Biofidelic Backing for the Evaluation of the Ballistic Performance of Soft Armour and Lightweight Protective Fabrics", Proceedings of the Personal Armour Systems Symposium, Copenhagen, Denmark, 11 -15 October 2021.

## Specifications

Performance:	Meets TP5 specifications. Certified for number of layers, layer thicknesses, durometer, pack coefficient of restitution.	Composition:	<ol style="list-style-type: none"> <li>1. Epidermis layer (1).</li> <li>2. Dermis layer (1).</li> <li>3. Tissue (12).</li> <li>4. Witness medium (number of layers chosen to suit residual energy and DOP requirements).</li> </ol>
Storage Conditions:	15 to 25°C (59 to 77°F) away from direct heat sources. Relative humidity <65%. Avoid exposure to UV (e.g., direct sunlight).	Packaging:	The BSP comes in a sealed plastic sleeve.
		Part Number:	BSP-001

## Physical

Dimensions:	W 394 x D 457 x H 100 mm (W 15.5 x D 18 x H 3.9 in)	Weight:	4.2 kg (9.2 lb) per pack without fibre backing
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## Warranty

All components:	1 year limited
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(All specifications are subject to change)