


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 10061 Accredited to ISO/IEC 17025:2017	Radnor Range Ltd	
	Issue No: 005 Issue date: 13 May 2021	
	11 Broadaxe Business Park Presteigne LD8 2UH United Kingdom	Contact: John Hall Tel: +44 (0)1544 267441 E-Mail: john.hall@radnor.org.uk office@radnor.org.uk Website: www.radnor.org.uk
Testing performed by the Organisation at the locations specified		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address 11 Broadaxe Business Park Presteigne LD8 2UH United Kingdom	Local contact Mr John Hall	Head Office Activities	A
Address Harley Dingle New Radnor Powys LD8 2TN	Local contact Mr John Hall	Ballistics Range Testing And blast testing.	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Ballistic Range Penetration of test item Single shot rate of fire and temporal multihit.	0 m to 25 m		B
Blast and Fragment Testing Side blast, roof and under vehicle, blast fragmentation and cabin overpressure.	Licensed to 100 kg TNT		
Supporting measurements blast and ballistics Velocity	100 ms ⁻¹ to 1500 ms ⁻¹		
Calibre of Bullets	5.56 mm to 14.5 mm		
Calibre of Fragments	2.6 mm to 20 mm		
Pre-conditioning temperature	-64 °C to +100 °C		
Pitch and Yaw	0 ° to 90 °		
Declination	0 ° to 50 °		
Penetration and deformation Depth	0 mm to 150 mm		
Impact separation and depth	0 mm to 150 mm		
High speed video	Rates to 1 million frames per second		
Occupant injury risk	Anthropophic test device (50 th percentile male Hybrid III ATD)		
Chest wall velocity predictor	Cabin overpressure 0 kPa to 345 kPa		
Field blast overpressure	0 kPa to 345 kPa		
Material Thickness	0 mm to 50 mm		



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Glass, Windows, Doors and Shutters	Security glazing – resistance against bullet attack.	BS EN 1063:2000	B
	Windows, Doors Shutters and Blinds – Bullet resistance	BS EN 1522:1999 BS EN 1523:1999	B
Complete Armoured Vehicles & Vehicle Components	Civilian armoured vehicle – Ballistic and Blast protection.	PAS300:2018 section 3	B
	Ballistic material – special protected vehicles	VPAM 2006 (v.3, 2009)	B
	Civilian Armoured Vehicle Handbook	VSAG12 issue 1 Pt 2 VSAG 15 issue 1	B
Complete Armoured Vehicles & Vehicle Components (cont'd)	Protection levels for occupants of armoured vehicles.	AEP55, Vol.1, Edition 2	B
	Protection level of armoured vehicles – kinetic energy and artillery threat.	STANAG 4569, Edition 3	B
Ballistic Resistant Materials	Armour - ballistic test.	MIL-STD 662F:1997 V50	B
	Personal armour, materials and combat clothing .	STANAG 2920:2003 Edition 3	B
	Procedures for the evaluation and classification of personal armour	AEP 2920 Edition A, Version 2	B
	Body Armour - Home Office Standard	2017 CAST publication 012/17 - Excluding section 7 Stab testing	B
	Aluminium armour plate - Heat treatable 6-120 mm	DEF STAN 95-22	B
	Armour plate, steel (3-160 mm)	DEF STAN 95-24	B
Armour proof ballistic test	DEF STAN 08-42	B	



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Ballistic Resistant Materials continued	Armour Plate, Aluminium Alloy (Unweldable Applique)	MIL DTL 32375 (Appendix A, Ballistic Testing, Only)	B
	Aluminium alloy sheets – hot rolled. 10 mm to 70 mm	NF A50-800-2 NF A50-800-3	B
Armoured vehicles and engineered targets	Protection levels for occupants of armoured vehicles	STANAG 4569 Edition 3	B
	Procedures for evaluating the protection levels of armoured vehicles – Mine threat.	AEP 55 Vol 2 Edition 3	B
Civilian and special armoured vehicles	Side blast, roof and under vehicle blast, fragmentation and cabin overpressure.	PAS 300: 2018 (Section 4, 5 and 6) VPAM ERV 2010	B
END			