Which garments are suitable for which applications and standards?

⚠ ChemMax® 1EB achieves Type 3 only with the zip flap securely taped up. Whilst the MicroMax® and MicroMax® NS fabrics are tested to EN 14126 we do not recommend garments with stitched seams for this type of protection.

			Chemical Protection						Type 5 & 6 Protection						Type 4 Protection and Cool Suits®							Chemical Protection with FR					Aluminised heat protection			ARC Protection	
			TomTex®	ChemMax® 1	ChemMax® 2	ChemMax® 3	ChemMax® 4 Plus	Interceptor® Plus	SafeGard® GP	SafeGard® 76	SafeGard® 76 Diamant	MicroMax® NS	MicroMax®	MicroMax® NS Trine	ChemMax® 1 EB	MicroMax® TS	MicroMax® NS Cool Suit	MicroMax® TS Cool Suit	ChemMax® 1 Cool Suit	ChemMax® 3 Cool Suit	Pyrolon™ CRFR Cool Suit	Pyrolon™ Plus 2	Pyrolon™ XT	Pyrolon™ CRFR	Pyrolon™ CBFR	Pyrolon™ TPCR	ALM® 300	ALM® 500	ALM® 700	ARC® 43	ARC®-X
Hazardous Chemical Protection																															
Gas and Vapour Protection	Type 1	EN 943						✓																							
Gas & Vapour Protection - Positive Pressure Suits	*Type 2*	*Now deleted*																													
Liquid Chemicals: Jet Spray Protection	Type 3	EN 14605	✓	✓	✓	✓	✓	✓							⚠									✓	✓	✓					
Liquid Chemicals: (Shower-Type) Spray Protection	Type 4	EN 14605	✓	✓	✓	✓	✓	✓							✓	✓		✓	✓	✓	✓			✓	✓	✓					
Hazardous Dust Protection	Type 5	EN 13982	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
Liquid Chemicals : Aerosol Spray Protection	Type 6	EN 13034	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓
Nuclear Industry: Protection against Radiation Contaminated Particles		EN 1073-2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
Flame and Heat Protection																															
Limted Flame Spread		EN 14116																				✓	✓	✓	✓	✓					✓
Heat & Flame Protection		EN 11612																								✓				✓	✓
Limited Flame Spread - Procedure A	Code A1	ISO 15025																								✓				✓	✓
Limited Flame Spread - Procedure B	Code A2	ISO 15025																								✓				✓	✓
Heat Resistance - Convective Heat (Class 1-3)	B (1-3)	ISO 9151																								B1	B1	B1	B3	B2	B1
Heat Resistance - Radiant Heat	C (1-4)	ISO 6942(B)																								C1	C4	C4	C4	C1	C1
Heat Resistance - Molten Aluminium Splash	D (1-3)	ISO 9185																								D1	D1	D3			
Heat Resistance - Molten Iron Splash	E (1-3)	ISO 9185																								E1	E1	E1			E3
Heat Resistance - Contact Heat	F (1-3)	ISO 12127-1																								F1	F1	F1	F3		F1
Welding and Allied Processes		EN 11611																								✓	✓	✓			✓
Arc Flash Heat Protection - Box Method	Class 1-2	EN 61482-1-2																								1				2	2
Arc Flash Heat Protection - Open Arc	ATPV	EN 61482-1-1																								21.9				43	16
Protection against Infectious Agents		EN 14126		✓	✓	✓	✓	✓				⚠	⚠	✓	✓	✓	Cool Suits® not recommended for Infectious agent protection															
Resistance against Contaminated Liquids Under Pressure	Class 1-6	ISO 16604		6	6	6	6	6				6	6	6	6	6																
Resistance against Liquids due to Mechanical Contact with Contaminated Surfaces	Class 1-6	EN 14126-A		3	3	3	3	3				3	3	3	3	3																
Resistance to Contaminated Aerosols	Class 1-3	ISO 22611		3	3	3	3	3				3	3	3	3	3																
Resistance to Contaminated Solid Particles	Class 1-3	ISO 22621		6	6	6	6	6				6	6	6	6	6																
Anti-Static Clothing-Surface Resistance (<2.5x10⁹ohms)		EN 1149-1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓						
Anti-Static Clothing - Charge Decay		EN1149-3																							✓						✓
Hi-Visibility Garments		EN 20471																													✓
Protection against Rain		EN 343																													✓
Seam Type																															
Serged (Overlock Stitch)									✓			✓		✓								✓	✓				✓	✓	✓	✓	
Stitched and Bound										✓	✓		✓				✓														
Stitched and Taped (Outer Side)			✓	✓	✓	✓	✓								✓	✓		✓	✓	✓	✓			✓	✓	✓					✓
Stitched and Taped (Both Sides)								✓																							

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