

4020 ELITE

Bomb Disposal Suit

The 4020 ELITE Bomb Suit provides 360° blast protection and survivability against pressure, fragments, heat and flame, protecting EOD operators in the most restrictive locations. Suits incorporate advanced lightweight materials and ergonomic design features to ensure optimum performance and reduced fatigue.



Ballistic Performance

Delivers frontal protection V50 +>1900m/s.

Optimum Manoeuvrability

A telescopic breastplate provides maximum manoeuvrability including bending and crouching. Seams resist ruptures and blasts and a Nomex® outer layer provides water resistance and fire protection. A patented Quick Release System enables the suit to be removed in less than 30 seconds.



Blast Tested

Blast testing against the NIJ 0117.01 Public Safety Bomb Suit Standard ensures optimum survivability and pressure reduction. Suits also undergo impact attenuation and electronic and environmental testing.

Proven Worldwide

The UK MoD has used NP Aerospace Bomb Disposal suits on operation for over 15 years

Integrated Systems

The 4020 ELITE suit integrates with CBRN systems and communication systems. Cooling systems and spine protection is included as standard.

CBRN Helmet

An alternate CBRN Chinguard is available allowing the fitment of respirators with demisting capability to improve situational awareness.



NP Aerospace Armour Capabilities

NP Aerospace has been manufacturing EOD suits for more than 50 years. Other products in the NP Aerospace high-performance defence systems range include Ballistic Helmets and Shields, Body Armour Plates and Composite Platform Armour.

Specification

The 4020 ELITE is available in five sizes: extra small, small, medium, large and extra large.

Colours



Base Suit - Ballistic Protection (V50 m/s) - 17gr (1.1g) FSP V50

Arms	Legs	Chest	Helmet	Visor
Upper: 500 Lower: 450	460	1900	575	Acrylic Faced: 600 Glass Faced: 730 CBRN: 730

Blast Protection

	Survivability probability (as measured on Bowen Curve)	Reduction in pressure at Lung
NIJ 0117.01 0.567 kg C4 at 0.6 m (kneeling)	>99%	Between 96.9-99.7%
1 kg C4 at 1.0 m (standing)	>99%	Between 98.1 and 98.5%
2 kg C4 at 2.0 m (standing)	>99%	Between 87.6 and 92.3%
10 kg C4 at 3.0 m (standing)	>99%	Between 99.0 and 99.7%

Weight (Medium Suit)

Without Helmet	30.5 kg	67.2 lbs
With Helmet	34.7 kg	76.5 lbs
With CBRN Helmet	35.5 kg	77.8 lbs

The 4020 ELITE Suit is one of the highest performing suits on the market designed to deliver extended protection and manoeuvrability in the toughest locations.