



RAPTOR 1: Emergency CBRN Protection Solution

High comfort and high protection CBRN Oversuit. This one-piece CBRN oversuit offers functionality for the military and civil security services around the world.

The Raptor 1 has been developed as a vapour barrier system that protects against chemical and biological agents providing protection to NATO standards.

Constructed using a lightweight activated carbon liner, combined with a highly breathable rugged rip stop outer, the suits maximum weight is just 1.8kg (base size).

The Raptor 1 offers 24 hours protection. The one-piece suit has been carefully designed to ease the physiological burden on the user and increase functionality, whilst maintaining well established donning procedures.

SPECIFICATIONS & KEY FEATURES:

- Conforms to NATO standards
- High protection
- 20% Lighter than conventional systems
- High air permeability
- Lower physiological burden
- 20 Times launderable
- Compatible with a wide range of ancillaries
- 15 Year shelf life
- Fire retardant and water/oil repellent
- Available in various colours and camo prints
- Used by Civil Services and Defence Forces around the world



Ensemble testing

MAN IN SIMULANT (MIST)

Physiological Protection Dosage Factor (PPDF)sys

Exceeds requirements for Class 3/Category C ensemble.

In accordance to NATO Standards.

MIST test was conducted using certified ancillary products.

Swatch testing

Mustard Agent (HD) Liquid – Laid droplet 10g/m²

24 Hours protection in accordance to NATO Standards.

Soman (GD) Liquid – Laid droplet 10g/m²

24 Hours protection in accordance to NATO Standards.

Mustard Agent (HD) Liquid after 20 times laundering – Laid and fallen droplet 10g/m²

24 Hours protection.

Mustard gas performance

After Wash – 24 hours protection.

After Petrol – 24 hours protection.

After Salt – 24 hours protection.

After Ageing – 24 hours protection.

The Raptor 1 suit provides comfort at high and low temperature and humidity. Sweat rate at high humidity is also lower when measured against conventional over-garments.

The Raptor 1 suit has been designed as an integrated system for use with protective gloves and over-boots and a negative pressure respiratory system.

The suit is designed for use by appropriately trained and CBRN aware personnel.



- Used by Civil Services and Defence Forces around the world
- Maximum suit weight is just 1.8kg (base size)
- Exceeds the MIST physiological protection dosage factor required for a class 3 ensemble
- Functionality for the military services around the world
- 24 hours protection

