



Radiation Shield Technologies

### A new Protection Breakthrough against GBRICE



















Box 14-4254 Coral Gables, 33114

Tel 866.7DEMRON

Web www.radshield.com



# only True Anti-Nuclear,

Self cooling Stealth Technology

only CBRN NFPA 1994/2007 Class 2 Certified ric that has true anti nuclear protection (Full dy suit certification pending contact info@radshield.com or full details).

DEMAON RS

• Full chemical and biological resistance

**Standard Features:** 

• CBRN zipper

• CBRN heat sealed seams

Self CoolingReduces IR detection

Options & Accessories

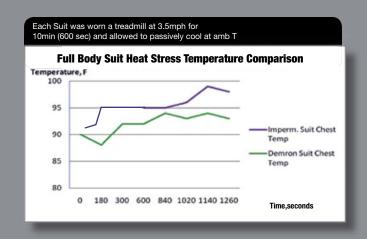
CBRN mask, gloves & boots

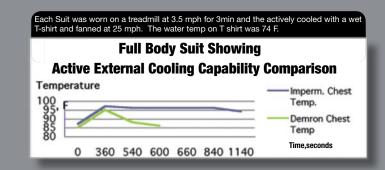
Demron is the only CBRNe fabric that offers true resistance against Radiological and Ionizing

The Demron-W Radiation Protection Suit is a level B CBRN suit. The suit was engineered to provide universal protection against chemical, biological, non ionizing radiation, and ionizing radiation. Demron-W reduces heat stress by allowing better heat dissipation than any other impermeables. According to Lawrence Livermore National Defense Laboratory, the suit is an excellent shield of high energy beta particles, such as those emitted from Strontium-90, and provides at least 50% shielding of gamma rays up to 130 Kev. Demron-W fabric has been certified by United Laboratories as meeting all Class 2 requirements of NFPA 1994/2007 Standard on Protective Ensembles for First Responders to CBRN Terrorism Incidents.

Other BC suits are heat sinks. With very little activity, heat will build up in the suit and it will continue to climb at rest. Because they are insul can not be cooled externally. O

### **Self Cooling Technology**





		al Suit
SEPHERESSEI		STREET.
	Pa	
	A	
	+	
	支援 110	
	6000 1000	
	ž	
CP 01		78°F

50 kvp X-ray 50 kv ≥ 75%  75 kvp X-ray 75 kv ≥ 60%  100 kvp X-ray 100 kv ≥ 60%  241 AM Gamma (x) 4.9% 20.8 KeV ≥ 85%	<b>6</b> )
$100 \text{ kvp}  \text{X-ray} \qquad 100 \text{ kv} \qquad \geq 60\%$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
241 AM Gamma (v) 4 00/ 00 0 //-V/ > 85%	
241 AM Gamma (Y) 4.9% 20.8 KeV ≥ 85%	
13.3% 13.9 KeV 19.3% 17.8 Kev 35.7% 59.54 KeV	
109 <sub>Cd</sub> Gamma (y) 22 KeV Major ≥ 91%	
88 KeV Minor	
$^{137}$ Cs Gamma ( $_{ m Y}$ ) 0.662 MeV $\sim$ 1%	
60 <sub>Co</sub> Gamma (y) 1.173 MeV ≤ 1%	
1.332 MeV	
90 <sub>Sr/</sub> 90 <sub>Y</sub> Beta (в) 546 KeV (sr) 75% 2.27 MeV (γ)	





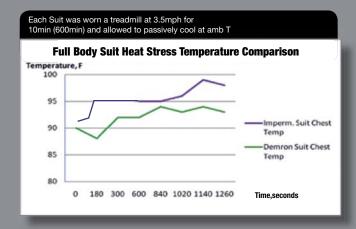


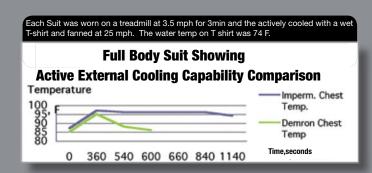






### **Self Cooling Technology**







Source	Туре	Energies	Dose Reduction (%)
50 kvp	X-ray	50 kv	≥ 75%
75 kvp	X-ray	75 kv	≥ 60%
100 kvp	X-ray	100 kv	≥ 60%
241 AM	Gamma (y)	4.9% 20.8 KeV 13.3% 13.9 KeV 19.3% 17.8 Kev 35.7% 59.54 KeV	≥ 85%
109 Cd	Gamma (Y)	22 KeV Major 88 KeV Minor	≥ 91%
<sup>137</sup> Cs	Gamma (Y)	0.662 MeV	~1%
<sup>60</sup> Co	Gamma (y)	1.173 MeV 1.332 MeV	≤ 1%
90 <sub>Sr/</sub> 90 <sub>Y</sub>	Beta (₅)	546 KeV (sr) 2.27 MeV (y)	75%









## only True Anti-Nuclear,

Self cooling Stealth Technology

The only CBRN NFPA 1994/2007 Class 2 Certified Fabric that has true anti nuclear protection (Full body suit certification pending contact info@radshield.comfor full details).

Demron is the only CBRN fabric that offers true resistance against Radiological and Ionizing **Nuclear Radiation** 

The Demron-W Radiation Protection Suit is a class 2 style CBRN suit. The suit was engineered to provide universal protection against chemical, biological, non ionizing radiation, and ionizing radiation. Demron-W reduces heat stress by allowing better heat dissipation than any other impermeables. According to Lawrence Livermore National Defense Laboratory, the suit is an excellent shield of high energy beta particles, such as those emitted from Strontium-90, and provides at least 50% shielding of gamma rays up to 130 Kev. Demron-W fabric has been certified by United Laboratories as meeting all Class 2 requirements of NFPA 1994/2007 Standard on Protective Ensembles for First Responders to CBRN Terrorism Incidents. style CBRN suit. The suit was engineered to provide for First Responders to CBRN Terrorism Incidents.

Other BC suits are heat sinks. With very little activity, heat will build up in the suit and it will continue to climb at rest. Because they are insulating, they can not be cooled externally. Only the Demron suit reduces heat stress production, passively cools, and the first responder can be externally cooled without the need to be de-gowned.

### **Standard Features:**

- Full chemical and biological resistance
- CBRN heat sealed seams
- CBRN zipper
- Self Cooling
- Reduces IR detection
- Revolutionary Bayonet cuff and lock glove system

Options & Accessories

• CBRN mask, gloves & boots

