

# DEMIRON™

## CREW PROTECTION BLANKET

### Provides Protection Against X-ray and Low Energy Gamma Emissions



The Demron™ crew protection blanket provides 2 layers of Demron™ pure gamma reduction to the first responder in a radiological event. The blanket will protect the first responder from an irradiating patient either from a medical procedure or radiological disaster. The blanket can also be folded several times to provide multiple layers of protection against RDD, RED, or RAD.

#### Standard Features

- 2-ply
- 72" x 30"
- Made with self-cooling technology to keep patients comfortable
- Specific molecular engineering provides protection against X-ray and low energy gamma emissions
- Can be folded several times for multiple layers of protection
- Rolls up easily for rapid deployment
- Standard carry case included

Source	Type	Energies	Dose Redn (%)	Blanket
50 kvp	X-ray	50 kv	≥ 91%	≥ 99%
75 kvp	X-ray	75 kv	≥ 81%	≥ 99%
100 kvp	X-ray	100 kv	≥ 75%	≥ 99%
<sup>241</sup> Am	Gamma (γ)	4.9% 20.8 KeV 13.3% 13.9 KeV 19.3% 17.8 KeV 35.7% 59.54 KeV	≥ 93%	≥ 99%
<sup>109</sup> Cd	Gamma (γ)	22 KeV Major 88 KeV Minor	≥ 99%	≥ 99%
<sup>137</sup> Cs	Gamma (γ)	0.662 MeV	65% @ 10°	92% @ 10°
<sup>60</sup> Co	Gamma (γ)	1.173 MeV 1.332 MeV	50% @ 20° 39% @ 30°	84% @ 20° 75% @ 30°
			46% @ 10° 33% @ 20°	N/A N/A
<sup>226</sup> Ra	Gamma (γ)	186-610 KeV	48% @ 10° 38% @ 20°	72% @ 10° 60% @ 10°
<sup>90</sup> Sr/ <sup>90</sup> Y	Beta (β)	546 KeV (sr) 2.27 MeV (γ)	≥ 99%	≥ 99%

