



Smart Armor Core Material

# Agenda

- What is Smart Armor?
- Weight/Material Composition
- Product performance
- Warranty

# Current Issues

- What are some current issues/concerns with aprons?
- What is the normal shelf life of an apron?
- How often does an apron fail an annual inspection?
- What is tested during an annual inspection?
- Are aprons stiffening, crumbling, or getting pinholes?
  
- What can we do to offer better products/services?

# Smart Armor



# Smart Armor Material

- 3 Smart Armor Material Compositions
  - Regular
    - Lead
  - Greenlite
    - Lead-Free
  - Lightweight
    - Composite



# Smart Armor Apron Weights

- Men's Medium Front Protection (EBAM-M)
  - Regular (Lead)
    - **5.979 lbs.**
  - Greenlite (Lead Free)
    - **5.529 lbs.**
  - Lightweight (Composite)
    - **4.938 lbs.**



# Performance Data

- What is Smart Armor's attenuation?
- What is the lead equivalency?
- Where was the material tested?
- What is the material composition?
- How was the material tested?
- Is it lightweight?

# Performance Data

<b>Regular Lead</b>	<b>Lightweight Composite</b>	<b>Greenlite Lead-Free</b>
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## Attenuation

Health Physics Northwest independent attenuation testing results<sup>1</sup>

	LAYERS				LAYERS				LAYERS			
Direct Beam	1	2	3	4	1	2	3	4	1	2	3	4
60 kVp	94.0%	99.0%	99.8%	99.9%	93.0%	99.0%	99.8%	99.9%	93.2 %	99.2%	99.9%	100%
80 kVp	86.3%	95.6%	98.2%	99.9%	85.7%	95.6%	98.2%	99.2%	87.4%	96.6%	98.8%	99.5%
100 kVp	79.9%	91.8%	96.0%	99.8%	78.9%	91.5%	95.9%	97.7%	81.0%	92.8%	96.7%	98.2%
120 kVp	75.9%	89.9%	95.1%	99.7%	73.6%	88.3%	94.0%	96.5%	75.1%	88.8%	94.1%	96.5%

## Weight

Average based on Male Medium Front Protection Apron

LAYERS	APRON WEIGHT	APRON WEIGHT	APRON WEIGHT
1 Layer	2.988 lbs (1.358 kg)	2.487 lbs (1.1305 kg)	2.788 lbs (1.267 kg)
2 Layers	5.979 lbs (2.718 kg)	4.938 lbs (2.244 kg)	5.529 lbs (2.513 kg)
3 Layers	8.968 lbs (4.077 kg)	7.46 lbs (3.391 kg)	8.355 lbs (3.798 kg)
4 Layers	11.958 lbs (5.435 kg)	9.947 lbs (4.521 kg)	11.207 lbs (5.094 kg)

# Product Warranty

- 10 year warranty
  - Cracking, stiffening, or crumbling
  - Ships pinhole, streak, and striation free
  - All core materials
- Will replace at no charge
- Look for the seal of authenticity





# The Infab Difference

- 10 Year Warranty
  - Smart Armor core material
- 2 Year Warranty
  - Exterior of Product
- 10 Day Lead Time
- 2000+ Custom Colors
- Branded Under Armor
- Customer Service



UNDER ARMOUR®





If you have any questions, please call us at  
(800) 441-9729

Email: [info@cr-pacs.com](mailto:info@cr-pacs.com)