



Smart Armor Core Material

Agenda

- What is Smart Armor?
- Weight/Material Composition
- Product performance
- Warranty
- Working with Infab
- Samples

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

**Regular
Lead**

**Lightweight
Composite**

**Greenlite
Lead-Free**

Attenuation

Health Physics Northwest independent attenuation testing results¹

	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



Product Pricing

- Infab Smart Armor will be the same price as our existing core materials!!!
 - 10 year protection and material guarantee.



Ordering Smart Armor

- Must designate “Smart Armor” for each apron
 - Smart Armor Lead
 - Smart Armor Composite
 - Smart Armor Lead-free

Ex. VASM-M-Smart Armor Lead





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
805-987-5255.

Email: amit.shah@infabcorp.com