

The Materials at the Heart of Our Success Story

With its high atomic mass and low atomic density, lead has always been the preferred material for protecting healthcare professionals who regularly come in contact with radiation.

At AmRay, we offer three different variants, each with their own particular benefits in terms of functionality and cost.

| Light Lead (60-150 kVp) | Light Plus (60-110 kVp) | Supreme Lead-Free (60-110 kVp) |
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| IEC 61331-1:2014 Compliant IECT 61331-3:2104 Compliant | IEC 61331-1:2014 Compliant IECT 61331-3:2104 Compliant | IEC 61331-1:2014 Compliant IECT 61331-3:2104 Compliant |
| <p>100% Lead</p> <p>The perfect solution when needed and in use for shorter periods of time. The ideal choice for medical professionals and patients within radiology, dental, veterinary, and nuclear medicine.</p> | <p>Lightweight Lead Composite Material</p> <p>Combining lead with antimony, all models are lighter than “Light” lead apparel. “Light Plus” is often considered the economical choice for a garment which is comfortable and provides optimum protection.</p> | <p>AmRay Supreme Lead-Free was developed solely to be the lightest protective material on the market while maintaining a high standard of protection against scatter or fluorescent radiation within the range of 50–110 KeV.</p> <p>This revolutionary protective material consists of two fundamental materials, bismuth and antimony which protect throughout the full voltage spectrum required as per the most recent regulatory requirements. While antimony will block the transmission of scatter radiation between 60-110KeV, bismuth will block the transmission of lower level scatter or fluorescent radiation between 50–90KeV.</p> <p>Supreme Lead Free protective material, being exclusive to AmRay, has been proven to be the lightest on offer, while offering optimum protection when considering current testing standards. Combined with the ergonomic design of our apparel, you will be wearing the most comfortable and protective apron on the market.</p> |