



| Material | Lead Equivalence | Attenuation (%) |        |        |         |         |         | Weight Kg/M <sup>2</sup> |
|----------|------------------|-----------------|--------|--------|---------|---------|---------|--------------------------|
|          |                  | 50 kVp          | 70 kVp | 90 kVp | 110 kVp | 120 kVp | 150 kVp |                          |


Lightweight Lead is a popular solution that provides the highest level of protection at a very reasonable price.

|   |            |      |      |      |      |      |      |     |
|---|------------|------|------|------|------|------|------|-----|
|  <b>LIGHTWEIGHT LEAD</b> | 0.25 mm Pb | 98.8 | 95.1 | 90.7 | 87.5 | 86.2 | 82.7 | 3.3 |
|   | 0.35 mm Pb | 99.7 | 97.6 | 94.5 | 92.3 | 91.3 | 88.6 | 4.6 |

Our Edge Bilayer - Low Lead material provides a half way house between lightweight lead and our lead free bilayer. By layering antimony with lead, we are able to provide a high level protection\* Available only via special request.

|   |            |      |      |      |      |      |      |      |
|---|------------|------|------|------|------|------|------|------|
|  <b>LOW LEAD</b> | 0.25 mm Pb | 98.9 | 96.5 | 92.5 | 88.5 | 86.5 | 80.9 | 2.9  |
|   | 0.35 mm Pb | 99.6 | 98.1 | 95.6 | 93.1 | 91.9 | 88.4 | 4.06 |

Our ultralight Edge Bilayer - Lead Free solution, provides a superior level of protection that conforms to the highest standards at the lowest weights.

|   |            |      |      |      |      |      |      |      |
|---|------------|------|------|------|------|------|------|------|
|  <b>LEAD FREE</b> | 0.25 mm Pb | 98.7 | 96.1 | 92   | 87.8 | 85.8 | 80.1 | 2.68 |
|   | 0.35 mm Pb | 99.6 | 98.0 | 95.3 | 92.7 | 91.5 | 88.1 | 3.75 |

Testing in accordance with BS EN 61331-1:2014 using inverse broad beam geometry.

Performed by the National Physics Laboratory in 2015

Figures are for guidance and all materials passed the relevant testing.

For full report, please visit [www.rothband.com](http://www.rothband.com)