

Provenance Recycle[®] Shielding Blankets

JUL-2011 REV-1

PROVENANCE RECYCLE[®] SHIELDING BLANKETS

- Calder Industrial Materials Ltd. & Pacific Nuclear Systems have teamed and developed a superior shielding solution for the nuclear industry and a facility for the dedicated receipt and management of Pb to return to the nuclear cycle.
- Briefly stated the concept behind the Provenance Recycle[®] Blanket is - at the end of useful life of the cover - the Pb is retrieved for (controlled) processing, and re-manufacture into shielding products for use in the nuclear industry.

PRODUCT FEATURES

- Superior and totally reliable shielding
- 100% lead shielding guaranteed compared with standard wool blankets which suffer from poor shielding integrity
- Flexible so they can be positioned around components but unlike wool blankets they will hold that position without tying down so minimising operator exposure time
- Durable easy cleanable cover
- Can be made in different colours to categorise levels of radiation they are shielding
- Shielding can be tailored in 1mm increments up to 6mm thickness
- When bent at an angle > 45 degrees, the blanket becomes free-standing.
- Custom sizes and shapes can be made on request
- Fast lead time, for planned orders, units can be held in stock ready for call off
- Total recyclability of the lead & residual value [No disposal liability]
- Competitive pricing, Value for money and this new generation of blankets offer superior shielding to standard wool blankets.

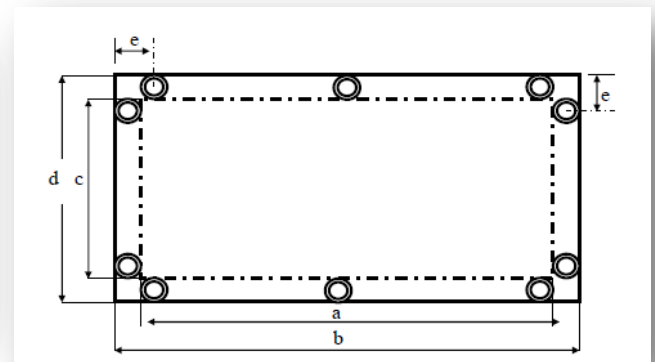


PROCESS SPECIFICATION

- The shielding is made from 1mm thick lead sheets manufactured to BS EN 12588.
- The lead sheets are placed inside a plastic cover and welded.
- This process guarantees the performance of the lead blanket in the vertical position.
- Lead equivalent thickness : 6 mm
- Protective cover: highly resistant, non-flammable woven material, easy to decontaminate
- Standard eyelets: 25 mm in diameter, positioned in such a way that two blankets can overlap horizontally and vertically

Standard Material Specification

Available sizes Approx.	Wgt kgs Approx.	a	b	c	d	e
900 x 500 mm	22	800	900	400	500	70
750 x 450 mm	15	650	750	350	450	70
500 x 500 mm	11	400	500	400	500	70
1600 x 400	30	1500	1600	300	400	70



Provides Pb shielding blankets with a Provenance Recycle® route back in to the nuclear industry;

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