



enviro-Bloxx

Technical Data Sheet

Our enviro-Bloxx scanner curtains are a safe and effective medium for the protection against the harmful effects of radiation, shielding operators and passengers from x-ray emissions generated within security scanner units.

The product is available from stock in lead equivalent values of 0.35mm. Other lead equivalents are available to order (minimum quantities and lead-times may apply).

Applications

Our enviro-Bloxx scanner curtain sheeting forms the basic radiation shielding element which is converted into strips and curtains supplied to the x-ray scanning equipment industries.

Composition

Our radiation protection materials are composed of finely divided lead metal particles fully encapsulated in vinyl polymer matrix (emulsion polymers, plasticisers, stabilisers and pigments).

The unique manufacturing process involves a single or multi-layer construction that produces a standardised sheet. This ensures an even distribution of the specially graded pure lead within the vinyl matrix and therefore a consistent level of protection throughout the sheeting.

enviro-Bloxx is produced primarily for radiation protection curtains within security scanners. It is formulated to provide a tough material with good wear characteristics that will not stretch or distort whilst in use. The material has a low friction surface to further limit wear to the curtains due to abrasion from objects passing through the scanner.

Our specially formulated low friction skin surface provides minimal resistance to articles passing through the x-ray scanner. This increases scanner productivity by minimising the occurrence of blockages in the machine as a result of articles being restricted by the radiation protection curtains. Unlike other materials, the unique formulation of the low friction skin surface does not rely on regular maintenance via the application of lubricating sprays or powders to preserve functionality – it is inbuilt through the thickness of the material.

Lead Equivalent Value BS EN 61331-1:2002	Colour	Emboss Finish	Thickness	Weight
0.35mm enviro-Bloxx	Black	One side	1.56mm	5.10 Kg/M ²

Notes to specifications and physical properties

1. All weights and measurements carry a +/- 10% tolerance (except Pb mm equivalence at -0/+10%)