



enviro-Flexx[®]

Technical Data Sheet

Our enviro-Flexx[®] 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 and 0.50mm. Other lead equivalents are available to order (minimum quantities and lead-times may apply).

Applications

Our flexible high strength enviro-Flexx[®] 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 through the sheeting.

High strength enviro-Flexx[®] is produced primarily for curtains within security scanners. It is formulated to provide an extremely strong 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 due to abrasion from objects passing through the scanner.

Lead Equivalent Value BS EN 61331-1:2002	Colour	Emboss Finish	Thickness	Weight
0.35mm enviro-Flexx [®]	Black	One side	1.98mm	5.80 Kg/M ²
0.50mm enviro-Flexx [®]	Black	One side	2.82mm	8.28 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%)