



# enviro-Maxx

## Technical Data Sheet

Our enviro-Maxx reinforced vinyl is a high performance vinyl (PVC) radiation protection and noise barrier material. It is composed of finely divided lead metal particles and an x-ray attenuating mineral powder fully encapsulated in vinyl polymer matrix (emulsion polymers, plasticisers, stabilisers and pigments).

The product is available from stock in lead equivalent value of 0.45mm. Other lead equivalents are available to order (minimum quantities and lead-times may apply).

### Applications

Our reinforced enviro-Maxx vinyl scanner sheet forms the basic radiation shielding element which is converted into strips and curtains supplied to the x-ray scanning equipment industries.

### Composition

The unique manufacturing process involves a multi-layer construction that produces a standardised sheet incorporating an ultra-strong polyester reinforcing scrim within the 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 creating an exceptionally strong and resilient material.

Our specially formulated low friction reinforced vinyl 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 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.

Our enviro-Maxx reinforced vinyl scanner curtain is a safe and effective form of protection against harmful effects of radiation, shielding operators and passengers from x-ray emissions generated by the security scanner units.

Lead Equivalent Value BS EN 61331-1:2002	Colour	Emboss Finish	Thickness	Weight
0.45mm enviro-Maxx	Charcoal	One side	2.60mm	8.0 Kg/M <sup>2</sup>

### Notes to specifications and physical properties

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