



enviro-Med

Technical Data Sheet

Our enviro-Med lead vinyl material is a safe and effective medium for protection against the harmful effects of radiation, shielding both operators and patients from x-ray emissions generated by the x-ray equipment.

The product is available from stock in lead equivalent values of 0.50mm. Other lead equivalents are available to order (minimum quantities and lead-times may apply).

Applications

Our enviro-Med lead vinyl material forms the basic radiation shielding element which is converted into mats or sheets and supplied to medical or veterinary facilities.

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-Med is produced primarily for radiation protection mats or sheets for use within medical or veterinary facilities. It is formulated to provide a tough material with good wear characteristics that will not stretch or distort whilst in use. The material is formulated with a unique thin vinyl skin on both sides and provides a tough material with good wear characteristics that will not stretch or distort whilst in use.

| Lead Equivalent Value BS EN 61331-1:2002 | Colour | Emboss Finish | Thickness | Weight |
|---|--------|-----------------------|-----------|------------------------|
| 0.50mm enviro-Med | Black | Skinned Both Sides | 2.00mm | 7.08 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%)