

The Three Types of Radiation Shielding Materials

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Radiation shielding materials are used in a variety of radiologic applications. The three major types of radiation shielding materials are: Lead Electrolytic Shielding, Lead Composite Shielding and Non-Lead or Lead Free Shielding.



Lead Electrolytic Shielding

Lead is a soft, malleable and corrosion-resistant material. The high density of lead makes it a useful shield against x-ray and gamma-ray radiation.



Lead Composite Shielding

Lead-based composite blend radiation shielding garments are lighter than regular grade lead and are available with the same lead equivalency protection levels.



Non-Lead or Lead Free Shielding

Non-lead shielding materials are manufactured with additives and binders that are mixed with attenuating heavy metals. This falls into the same category of materials as lead that absorbs or blocks radiation.





Medi-Raytm, Inc.

Whether you are shielding radioactive materials such as X-Ray, CT, MRI or PET scanning equipment, or the rooms that house them, **Medi-Ray** has the shielding components you need. Our stock includes sheet lead and foils, adhesive backed and coated lead materials, custom components and lead stampings.



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