

Angled Radiation Safety Shields

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Jencons-PLS, Radiation Protection Shielding

Beta emissions of ^{32}P , ^{35}S , ^3H and ^{14}C can be effectively blocked by 10mm thick optical acrylic. All Jencons-PLS Beta shielding is manufactured from heavy gauge 10mm thick acrylic.

Where shielding is required for protection against Gamma emissions of [^{125}I] Iodine and other Gamma emitters of lesser energy, a 12mm thick lead acrylic is required. This is the heavy gauge lead acrylic Jencons-PLS uses for its Gamma shielding products.

Angle Radiation Safety Shields

An acrylic shield with a fixed 15° angle, providing clear, non-distorted vision angled to reduce light images and shadows. Available in a choice of two sizes with, a large flat base for under bench protection, or a curved base designed for use with our safety trays.

Cat. No.	Description	Shield (h _{xw}), mm	Base (d _{xw}), mm
526-073	Beta fixed 15° angle shield with flat base	450x300	300x300
526-003	Beta fixed 15° angle shield with curved base	450x300	150x300
526-103	Beta fixed 15° angle shield with flat base	530x350	300x350
526-104	Beta fixed 15° angle shield with curved base	530x350	150x350
526-105	Gamma fixed 15° angle shield with flat base	450x300	300x300
526-106	Gamma fixed 15° angle shield with curved base	450x300	150x300
526-107	Gamma fixed 15° angle shield with flat base	530x350	300x350
526-002	Gamma fixed 15° angle shield with curved base	530x350	150x350

Safety trays and liners for these shields are available, see Cat. items 526-016 to 526-526-021.

Important Safety Notice

Lead acrylic is meant for [^{125}I] and related Gamma blockage only. When Beta emitting particles such as [^{32}P] or [^{35}S] are exposed to heavy metals such as lead, dangerous Bremsstrahlung X-rays are produced.

Specials

Custom-made shields and accessories in 10mm standard and 12mm lead impregnated acrylic are available. Please contact our Technical Office for details on 01342 826836.