

## Safety Super Radiation Protection Shield

Products

Company

Contact

Home

Buy online



### Jencons-PLS, Radiation Protection Shielding

Beta emissions of  $^{32}\text{P}$ ,  $^{35}\text{S}$ ,  $^3\text{H}$  and  $^{14}\text{C}$  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 [ $^{125}\text{I}$ ] 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.

### Safety Super Radiation Protection Shielding

This thicker 35mm lead acrylic shield is adjustable from 0° to 15°. Attenuates emission from isotopes  $^{125}\text{I}$ ,  $^{133}\text{Xe}$ ,  $^{53}\text{Co}$ ,  $^{99\text{m}}\text{Tc}$ ,  $^{123}\text{I}$  and  $^{67}\text{Ga}$  equivalent to 1.7mm thick lead.

Dimensions (wxh), mm: 350x540

| Cat. No. | Description                     |
|----------|---------------------------------|
| 526-008  | Safety super shield, 35mm thick |

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 [ $^{125}\text{I}$ ] and related Gamma blockage only. When Beta emitting particles such as [ $^{32}\text{P}$ ] or [ $^{35}\text{S}$ ] 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.