



*sfx*



## About Us

HSL is proud to distribute the SFXray brand, one of Europe's leading manufacturers of X-ray protection garments and equipment. With over 30 years of experience in the PPE industry, SFXray has built a reputation for delivering premium products that protect staff exposed to scatter radiation.

We work closely with local and national health services, as well as private hospitals and organisations, to ensure healthcare providers have access to lightweight, user-friendly, and comfortable X-ray protection garments. By embracing technological advancements, we continue to enhance the level of protection provided to our clients.

At HSL, we're committed to supporting healthcare teams with these innovative solutions. For more information about radiation protection products, get in touch with our team today.



## Barrier material

The barrier materials we use in our products are of the highest quality available on the market and are exclusively supplied by Kemmetech. Kemmetech's unique method of production has been hailed as 'the single most significant advancement' in flexible radiation protection materials for medical environments in more than a generation.

It is physics of the highest level, with the process dependent on the elimination of the effects of fluorescence and secondary-scatter radiation.

The results of wholly independent tests have proven to be highly impressive. X-ray protection garments made from material produced via this method are safer, lighter and much more comfortable for wearers.

The amount of radiation absorbed is reduced by 20% of rival manufacturers' lead-composite materials, and the overall performance level is a massive 40% better than other lead-free alternatives.

The UK's National Physical Laboratory's extensive tests for attenuation and lead equivalence confirmed that against 50-150kV using broad beam geometry, Edge Bilayer met all of the major standards including IEC 61331-1: 2014 plus DIN 6857-1.

We can offer Edge Bilayer barrier material in the following forms:

- Low lead bilayer
- Lead-free bilayer

Thicknesses available are 0.175mm, 0.25mm, 0.35mm, 0.50mm.





[www.hsl.ie](http://www.hsl.ie)



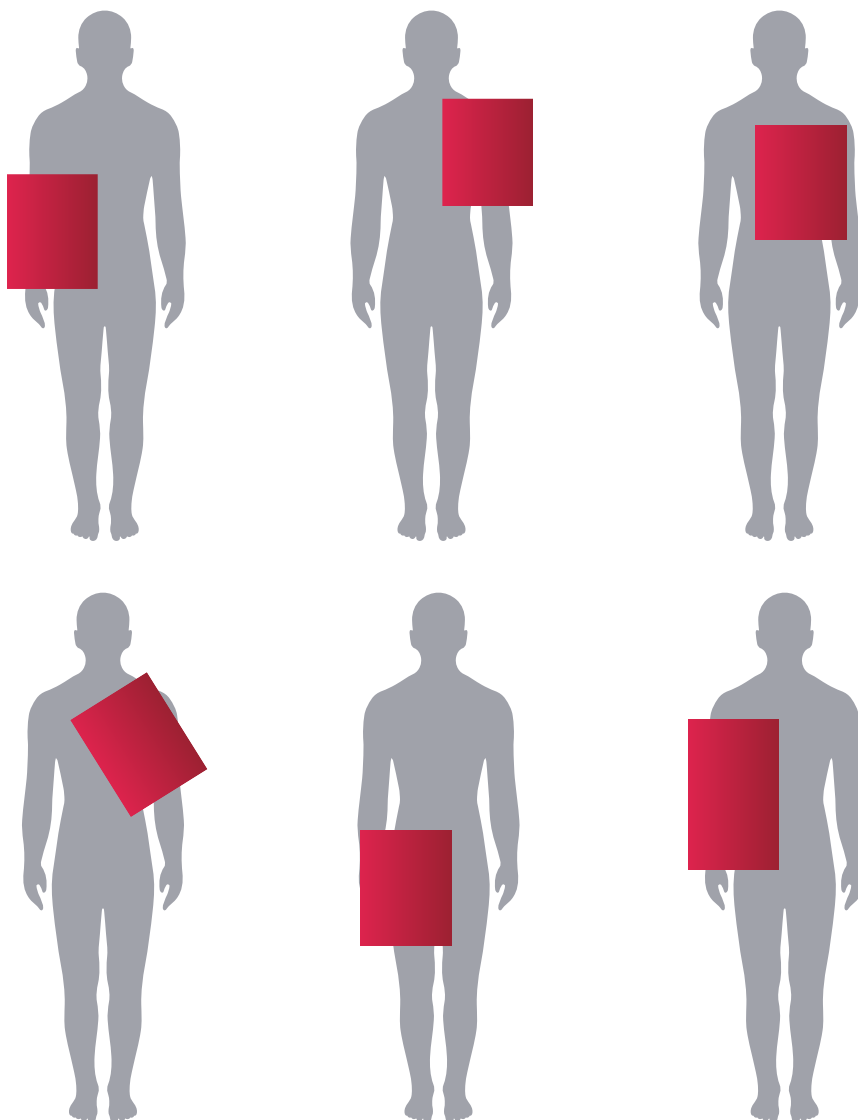
[sales@hsl.ie](mailto:sales@hsl.ie)



## Grayshield procedural drapes

Grayshield provides repositionable protection from scatter radiation for physicians. Placed directly on the patient, this sterile, lead free shield is light weight and specifically designed to reduce scatter radiation by up to 95%.

Grayshield is available in 6 types to suit a wide variety of specific procedures including EP studies, dialysis de-clotting, biopsy, biventricular pacemaker, femoral entry angiography and many other interventional procedures utilising x-radiation.



For more information call +44 2890 381 481 (NI) or +353 1 295 0500 (ROI) or email [sales@hsl.ie](mailto:sales@hsl.ie)

## Aprons



### Two Piece Apron Full Overlap (CV)

Two-piece apron with fully over-lapping front panels and kilt.



### Two Piece Apron $\frac{3}{4}$ Overlap (CV2)

Two-piece  $\frac{3}{4}$  overlap top and kilt offers an alternative fit to the full overlap.





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### **Coat style apron $\frac{3}{4}$ overlap (C1)**

The C1 fastens like a conventional double-breasted coat, with the two front panels partially overlapping down the middle.



### **Coat Style Apron Full Overlap (C2)**

This one piece apron has two fully overlapping front panels. This design allows the required protection to be split between the front panels to create a lighter garment.



### CT Vest (Cross Back)

Specifically designed to take the weight of the top vest off of the shoulders, whilst offering additional back support. Designed for wearers suffering with MSK issues in mind, giving a light weight feel.



### Frontal Apron (F9)

Frontal protection apron with front hook and loop closure belt.





# Poncho Apron

## Poncho 1



## Poncho 2



This poncho style apron fastens with a shoulder buckle, and secures at the side via a hook and loop closure. Customers may specify their preferred side for opening/shoulder release.

Aprons may open on one shoulder or both to enable an easy approach when removing the apron. This apron design is particularly beneficial for those with reduced shoulder mobility, as only movements along the anterior sagittal plane are required to don and remove.

### Lead equivalence

*Front, optionally: 0.25mmLE, 0.35mmLE, or 0.50mmLE*

*Back generally: 0.25mmLE*

A full-page background image showing a lateral X-ray of a human spine. The vertebrae are clearly visible, glowing white against a dark blue/black background. The spine curves slightly to the right.

## ERGO support range

Designed specifically for staff who wear lead aprons and are suffering from back, neck or shoulder pain, or for those wishing to reduce the risk of developing work-related injuries.

## Ultra Light Apron

Our ergonomic (ERGO) lead aprons have been designed with the wearer in mind, and are particularly beneficial for those wearing leads for a prolonged period of time. They have a unique design, which provides the wearer a high degree of relief from the mass of the apron.



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## Accessories



Cap Style Thyroid Collar



Magnetic Closure Thyroid Collar



Standard Thyroid Collar  
with dosimeter attachment



Reusable Cap



Lead Markers:  
Available with additional lettering

## Disposable accessories



Disposable Thyroid Cover



Grayshield Eye Covers



Disposable Caps

## Hangers

### **Stainless steel apron hangers** key features:

- Stainless steel hanger recommended to protect garments and increase product life
- 360 degree pivoting hook
- Upturned ends to help secure apron in place



### **Metal construction radiation apron hanger** key features:

- Metal construction
- 360 degree pivoting hook
- Upturned ends to help secure apron in place





## Protection glasses

SFXray offers a variety of frame shapes, weights colours and designs that will accommodate the requirements of the wearer. We also have a large choice of frames that can accommodate single vision, varifocal and bifocal prescriptions.

Options available include:

- Wrap-around
- Fit-over
- Prescription
- Light-weight
- Heavy duty



## Lateral eye protection

SFXray's removable lateral eye protection shields fit most types of radiation glasses.

Provides increased protection against radiation from the side of eye protective equipment.





## Racks



Mobile Dual 10 Arm Apron Rack



Mobile Bar Apron Rack



Wall mounted lead Apron  
Storage Rack with 5 Full Swing  
Arms





[www.hsl.ie](http://www.hsl.ie)



[sales@hsl.ie](mailto:sales@hsl.ie)



## Mobile shields



Collapsible Mobile  
Leaded Barrier



Max Mobile Lead Shield  
with H-Base



Deluxe Mobile Lead Shield  
on T-Base

For more information call +44 2890 381 481 (NI) or +353 1 295 0500 (ROI) or email [sales@hsl.ie](mailto:sales@hsl.ie)



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