



RayFlex Radiation Protection Jacket

The **lead-free** protective jacket against low-energy ionizing radiation





The RayFlex Lead-Free Radiation Protection Jacket

It contains two radiation protection sheets: RayFlex material and an antimicrobial polyamide textile. This jacket, weight optimized and ergonomic, has been designed to reduce fatigue and improve the comfort of operators in case of prolonged use.



weight reduction
from 25 to 50% for
the same attenuation
capacity as a lead
product



**optimized
flexibility** thanks to
flexible textile



adaptable
to different
manufacturing
techniques



customization
of the number of
radiation
protection layers



simple removal
with no
need for
decontamination

Sectors of application



NUCLEAR ENERGY



- Use: Personal Protective Equipment (apron, jacket, thyroid protector, skirt ...), collective protection (tablecloth, pipe cover).



INTERVENTIONAL AND NUCLEAR MEDICINE



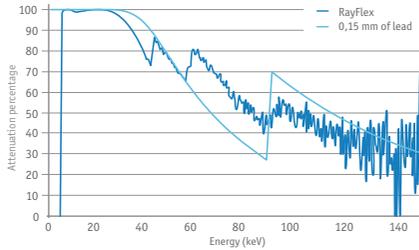
- Use: nuclear medical surgery, interventional radiology, radiotherapy, brachytherapy.

Protection against low-energy ionizing radiation

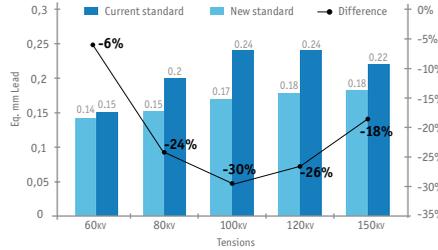
LEAD EQUIVALENCE

The radioprotective capacity / performance of the Rayflex jacket has lead equivalence of 0.22 to 0.36 mm according to EN 61331-1 (2002) and 0.21 to 0.27 mm according to standard EN 61331-1 (2014).

Attenuation comparison > RayFlex /0,15 mm of lead



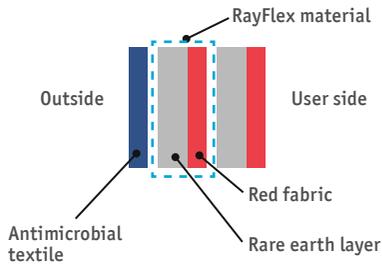
Standard change comparison, ACH12-290-01 2.41 Kg/m2 total



RayFlex Jacket Construction

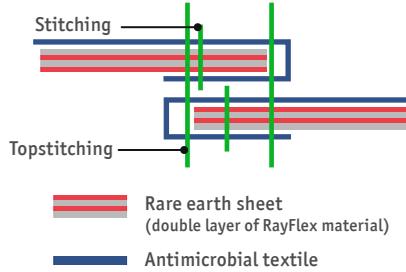
CUT VIEW

The jacket contains two plies of RayFlex material and an antimicrobial fabric.



PRINCIPLE OF CONFECTION

Topstitching ensures greater user safety.



RayFlex Jacket Details



1 • Zipper: system of attachment which offers a maximum of security during use.

2 • Adjustable belt: it limits the weight on the shoulders.

3 • Sewing: the quality of the thread, the double stitching and the quality control make the product reliable and strong.

4 • Elastics: attached to the shoulders and sides, they allow a perfect adaptation to each user and their movements.

PRODUCT BENEFITS

Better mitigation capability

For the same attenuation capacity against ionizing radiation (compared to leaded products), we lighten the weight 25 to 50% with RayFlex radiation protection jacket.

Finishes

The design of the jacket has been optimized for the comfort and safety of users. The cut of the jacket has been designed for a better fit on the user's body.

Antimicrobial fabric

The covering fabric of the jacket is made of antimicrobial polyamide, which guarantees efficiency in hygiene.

Adaptable sizing

To improve everyone's comfort, PIERCAN offers you today 4 jacket sizes: M, L, XL and XXL.



THE BENEFITS OF RAYFLEX RADIATION PROTECTION MATERIAL

Lead-free, non-toxic material

Its treatment and disposal can be carried out as a simple non-toxic waste. There is no risk of lead contamination on finished products or for personnel during use.

Homogeneity of performance

Thanks to the manufacturing technique of spraying (with an internal layer produced in dissolution), the product offers the same protection throughout entire surface.

Good protections and resistances

Offers excellent protection against ionizing radiation at low energies, high mechanical protection and high resistance to ozone and UV.

AVAILABLE PRODUCT



JACKET RAYFLEX 1.0mm RADIATION PROTECTION

- Contains two plies of RayFlex radiation protection material
- Available in 4 sizes :
 - M (4.2 Kg)
 - L (4.4 Kg)
 - XL (4.6 Kg)
 - XXL (5 Kg)

POSSIBILITIES OF CUSTOMIZATION

CUSTOMIZABLE RAYFLEX RADIATION PROTECTION JACKETS



- Choice of the number of plies of RayFlex material according to your needs
- Custom fastening system

RayFlex Radiation Protection Jacket **Control**

35 points of control to ensure quality of product.



Each jacket is subject to the following controls:

- **Dimensions:** 11 measurements of verification
- **Seams:** double stitching at risk areas
- **Closures:** 6 checkpoints
- **Openings:** the notch, the openings of the shoulders and armpits are controlled in 8 points
- **Fasteners:** fasteners and holders undergo 7 checks

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Piercan Head Office • Factory
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 Piercan products are sold in 81 countries.



A QUESTION OR IN NEED OF INFORMATION?

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