

X-RAY PROTECTION

VINYL & COVER FOR X-RAY CLOTHING

→ Primax Berlin GmbH provides you the opportunity to start your own production of X-ray protective clothing. We supply all major raw materials like

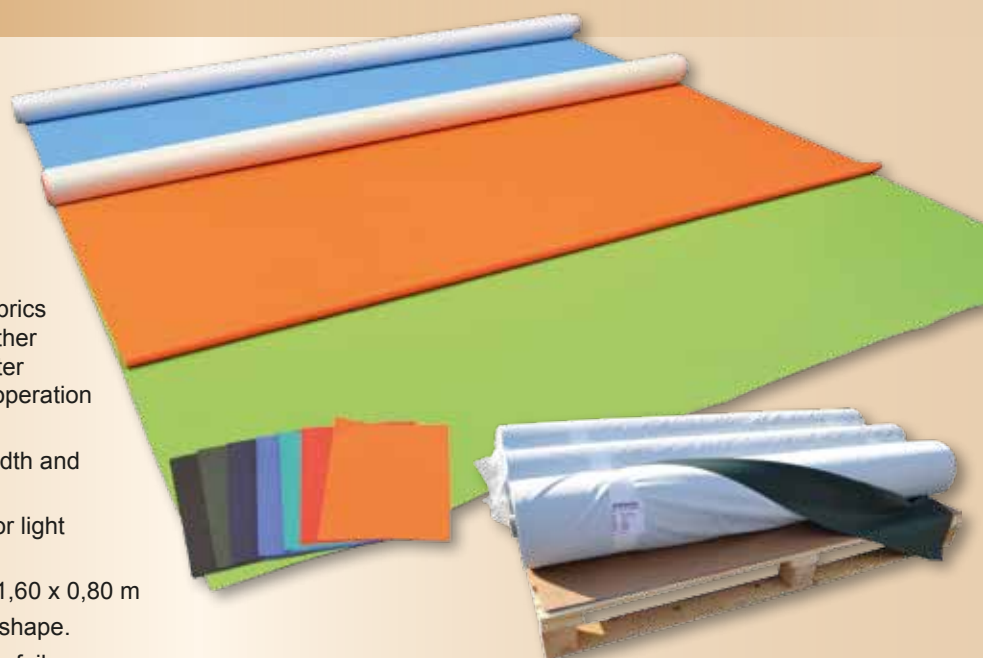
- Lead vinyl and lead-free vinyl sheeting in rolls
- Lead vinyl and lead-free vinyl sheeting in sheets
- Covering materials for the X-ray protective clothing in rolls
- Edge binding and Velcro[®] fastener in rolls

→ Further we provide other vinyl based products, for instance for airport scanners, strip curtains and noise barriers.

→ All data shown for the products in this leaflet are strictly a guideline only. Customers must satisfy themselves that the material is suited to their requirements for the intended purpose and tested accordingly both in process and in the final application of use.

Artificial Leather for Clothing

- Our two products are polyester-jersey fabrics with PVC soft-coat. They appear like leather and are also well suitable for cleaning after intensive use in X-ray departments and operation theaters of hospitals and clinics.
- Goods are produced in rolls of 1,50 m width and 100 m (± 10 m) length
- Weight per roll for strong type is 47 kg, for light type 39 kg
- Shipment is made on wooden pallets of 1,60 x 0,80 m
- Rolls are stored on the pallet in pyramid shape.
- Each roll is individually wrapped in plastic foil.
- Orders are accepted in each colour as per customer's choice provided a minimum order of 5 rolls is placed.



Technical Data

Characteristics	Parameter for strong type	Parameter for light type
Total Weight (g/m ²)	310 ± 20 g/m ²	260 ± 20 g/m ²
Thickness (mm)	0,5 ± 0,1 mm	0,4 ± 0,1 mm
Tensile strength/length (N)	≥ 180 N	≥ 200 N
/across (N)	≥ 140 N	≥ 120 N
Water proofness (cm WC)	≥ 150 cm WC	≥ 150 cm WC
Low temperature resistance (°C)	- 40 °C	- 40 °C

Further technical information may be provided on request.

Lead Vinyl and Lead-free Vinyl in Rolls or Sheets

Flexible lead and lead-free vinyl radiation protection sheeting is a safe and effective medium for protecting people against the harmful effects of radiation emissions. Radiation Protection Materials (depending on the exact grade) are composed of PVC polymer, plasticisers and finely divided lead/lead-free metal particles, as well as pigments in some of the materials.

Unskinned Vinyl

- preferably used for the **production of X-ray protective clothing** and as radiation blankets
- standard roll width 1200 mm in lengths of 20 m (0,125 LE) and 15 m (0,175/0,25 LE)



Lead Equivalent Value	Thickness (nominal)	Weight (target)
0.125 mm Standard	0,45 mm	1.85 Kg/m ²
0.175 mm Standard	0,65 mm	2.60 Kg/m ²
0.250 mm Standard	0,75 mm	3.70 Kg/m ²
0.125 mm Lightweight	0,33 mm	1.78 Kg/m ²
0.175 mm Lightweight	0,45 mm	2.47 Kg/m ²
0.250 mm Lightweight	0,70 mm	3.54 Kg/m ²
0.125 mm Superlight	0.40 mm	1.50 Kg/m ²
0.175 mm Superlight	0.55 mm	2.10 Kg/m ²
0.250 mm Superlight	0.65 mm	3.00 Kg/m ²
0.125 mm Lead-free	0.40 mm	1.50 Kg/m ²
0.175 mm Lead-free	0.55 mm	2.10 Kg/m ²
0.250 mm Lead-free	0.65 mm	3.00 Kg/m ²

Skinned Vinyl

Lead Equivalent Value	Thickness (nominal)	Weight (target)		Colour (standard)	Roll Length (standard)
		Standard Grade	Lead-free Grade		
0,125 mm	0,65 mm	2,33 Kg/m ²	1,98 Kg/m ²	Sky Blue	20 m
0,250 mm	1,10 mm	4,18 Kg/m ²	3,38 Kg/m ²	Eau de Nil	20 m
0,350 mm	1.60 mm	5,66 Kg/m ²	4,54 Kg/m ²	Sky Blue	15 m
0.500 mm	2,00 mm	7,88 Kg/m ²	6,28 Kg/m ²	Beige	12 m
0.700 mm	2,80 mm	10,36 Kg/m ²	8,20 Kg/m ²	Black	10 m
1.000 mm	3,50 mm	15,30 Kg/m ²	12,08 Kg/m ²	Yellow	5 m

- preferably used as theatre room **table covers** and for **strip curtains**
- roll widths 600 to 1200 mm in lengths of 5 m to 20 m
- skinned vinyl is also available in sheets of 1200 x 1000 mm



Galena Reinforced Vinyl

- preferably used for **X-ray airport scanning machines**, curtains and as noise barrier
- standard roll size 1150 mm x 50 m, supplied in special crates (2 to a crate) with roll bars for easy handling and dispensing
- if reaching MOQ also possible to supply a) 1150 mm standard width in 10 m length or b) rolls with other widths (600 x 1200 mm)

Lead Equivalent Value	Thickness (nominal)	Weight (target)	Colour (standard)
0,275 mm	1,50 mm	5,0Kg/m ²	Black
0,400 mm	2,20 mm	7,2Kg/m ²	Black
0,450 mm	2.50 mm	8,0Kg/m ²	Black



Ordering and Packing of Vinyl Materials

- tables above show standard LE and sizes, other sizes and/or LE values on request
- MOQ (minimum order quantity) to be considered for each product, will be specified in detailed offers
- If MOQ is not reached we may confirm smaller volumes as "Add-on-Order" to be produced additionally to the same grade of any other customer's pending order
- All weights and measurements carry a ± 10 per cent tolerance**
- Vinyl products in rolls are packed/labeled individually and supplied shrink-wrapped
- Usually (except for Galena) rolls are packed in pyramid shape on wooden pallet and the pallets are covered by a hardboard plate (see pictures).
- On special request and especially for long haul exports we may also ship unskinned and skinned vinyl materials inside of wooden crates. Those crates will have always to be specially ordered for each single case and will have to be charged separately.

