

Low frequency



- for large-area shielding of low-frequency alternating electric fields and dissipation of static charges
- fibre fleece, open to vapour diffusion
- easy to contact, for loose and fixed installation
- Rubens Light is an electrically conductive fibre fleece based on graphite, vapour diffusible, flexible and conditionally tear-resistant

The Rubens-Light shielding fleece is easy to install and is preferably used in living and working spaces.

It can be laid loosely or glued under carpets, behind or between gypsum plasterboards, wooden boarding, or can also be used as a solid under-wallpaper with wallpaper paste for heavy wallpapers.

For the shielding of low-frequency alternating electric fields to function, it is absolutely necessary to „earth“ the shielding surface in the equipotential bonding. Various earthing accessories are available for this purpose.

Order-No.: 200040
Short-Desc.: RL95 - 95 cm



Construction fleece (NF)

Rubens Light

Technical data

length:	metre goods
width:	95 cm ± 2 cm
thickness:	0,48 mm
colour:	black
basis weight:	50 g/m ² ± 10 %
electrical conductivity:	~ 1500 Ω/□
contact resistance:	~ 500 Ω
maximum tensile force:	longitudinal 160 N / 5 cm
maximum tensile elongation:	longitudinal 20 %
thermal load: (short term)	225 °C
thermal load: (permanent)	90 °C
composition:	polyester fleece polyacrylate carbon
properties:	open to vapour diffusion
Shielding efficiency:	far above 99 % (dependent on grounding! low resistance = higher shielding effect)

Required accessories (fixed installation)



earthing strap (AEB) and



earthing plate (EGP)

Required accessories (loose laying)



earthing set B (ESB) or



earthing set ESR-DK

Scope of application

roof area inside (behind boarding, sub-wallpaper)
interior wall and ceiling areas (behind boarding, under wallpaper)
floor area (under floating carpets, parquet and wooden floorboards)
bedroom and children's room (under bed and carpeting)