

YSHIELD® HNG80 | Shielding mesh | Width 90 cm | 1 meter

Polyester mesh as cheap standard product for versatile applications (e.g. as base wallpaper). 80 dB. Interior. Width 90 cm.



Properties

HNG80 is a **compact woven, metallized polyester netting** for the large-scale shielding of high-frequency radiation (HF) and low-frequency electric fields (LF). **Our cheap standard product for walls, ceilings and floors.** Commercial product for data centers, laboratories, TEMPEST rooms, ... now available for private use.

Application

Interior for walls, ceilings and floors. As intermediate wallpaper, for drywall constructions, loosely laid, to shield devices, etc.

Processing

In case of processing as an intermediate wallpaper, for **glueing** we recommend a commercially available dispersion glue. The wall and the backside of the material are coated with a paint roller. Insert the material wet on wet, fix it manually (with disposable gloves) and use a gummed roller to get a crease-free surface. Work quickly and strip by strip only, so that the dispersion glue does not dry. A crease-free bonding is only possible on perfectly plane surfaces. Further the material can be **laid loosely**, e.g. under floor coverings or can be **stapled**, e.g. in drywall constructions. Always **overlap the single strips**, so that they connect electrically for grounding.

Attenuation | Grounding

- This product shields **high frequency electromagnetic fields (HF)**. The indicated dB-values apply to 1 GHz, view chart for other frequencies. Laboratory report ranging from 40/600 MHz to 40 GHz according to standards ASTM D4935-10 or IEEE Std 299-2006, view report above.
- This product with an electrically conductive surface shields **low-frequency alternating electric fields (LF)**. For this purpose a **grounding is necessary**, i.e. an integration into the functional-equipotential bonding (FEB), please find suitable grounding accessories under "Grounding".

Technical data

- **Width: 90 cm**
- **Length: By the meter / 100 m roll**
- **Attenuation: 80 dB** (production-related +/- 5 dB)
- Weight: 75 g/m²
- Material thickness: 0.075 mm
- Color: Gray / Brown
- Tensile strength: 90 lbf
- Materials: Polyester, copper, nickel
- Surface conductivity: 0.02 ohm (square resistance)

