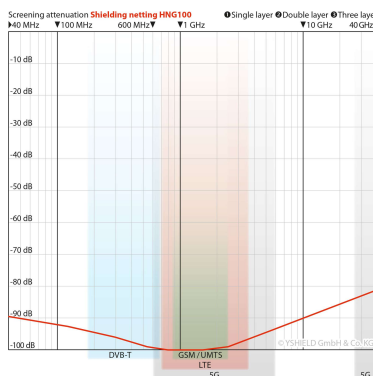
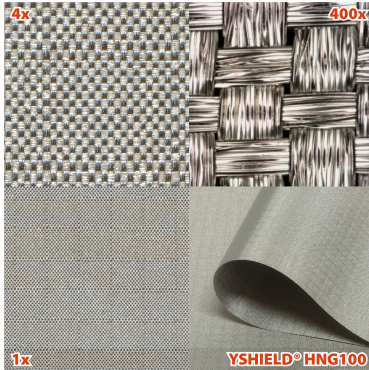
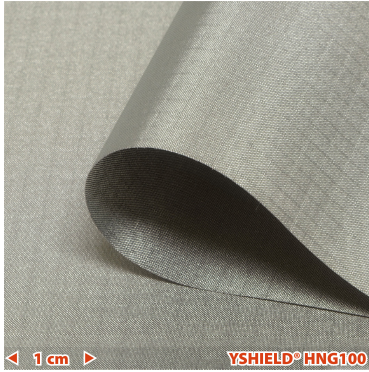


# YSHIELD® HNG100 | Shielding mesh | Width 90 cm | 1 meter

Polyester mesh with maximum shielding for versatile applications (e.g. as base wallpaper). 100 dB. Interior. Width 90 cm.



## Properties

HNG100 is a **compact woven, metallized polyester netting** for the large-scale shielding of high-frequency radiation (HF) and low-frequency electric fields (LF). **Our highest shielding professional 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 our dispersion glue DKL90. 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 DKL90 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. Expert reports 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: 100 dB** (production-related +/- 5 dB)
- Weight: 90 g/m<sup>2</sup>
- Material thickness: 0.08 mm
- Color: Gray / Brown
- Tensile strength: 90 lbf
- Materials: Polyester, copper, nickel
- Surface conductivity: 0.01 ohm (square resistance)