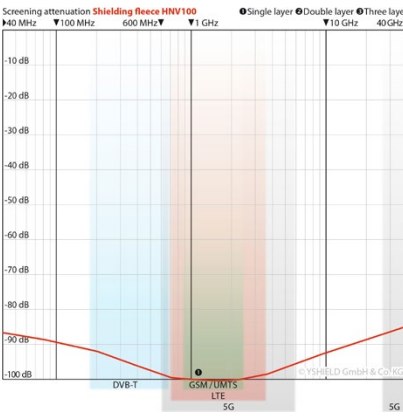
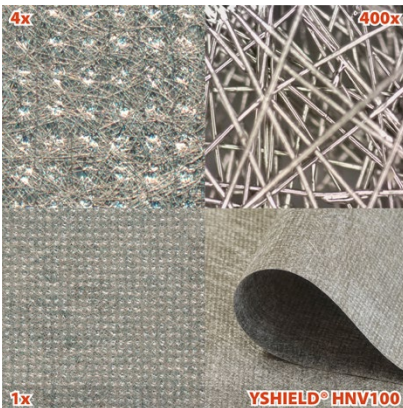


HNV100 - Polyester fleece (HF+LF)



Characteristics

HNV100 is a **thermally bonded fine metallized polyester fleece** for the 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.

Technical data

- **Width: 90 cm**
- **Length: By the meter / 100 m roll**
- **Attenuation: 100 dB** (production-related +/- 5 dB)
- **Weight: 70 g/m²**
- **Material thickness: 0.16 mm**
- **Color: Gray / Brown**
- **Tensile strength: 50 lbf**
- **Materials: Polyester, copper, nickel**
- **Surface conductivity: 0.01 ohm (square resistance R_□)**

Processing

In case of processing as an intermediate wallpaper, **for gluing** 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 overlapp the single strips, so that they connect electrically for grounding.

Grounding

Due to the highly conductive surface this material can be **contacted and grounded easily to shield low frequency (LF) electric fields.**

Screening attenuation

The screening attenuation is **regularly tested in our own EMC laboratory.** We have measurement setups due to the following standards: **ASTM D4935-10, IEEE Std 299-2006, IEEE Std 1128-1998, ASTM A698/A698M-07.** Please find the test report at our homepage directly on the product page.

Product recommendation

HNV80 is also available as **self-adhesive version EB3**, with an electrically conductive glue in a width of 10 cm ... please see "Grounding accessories".