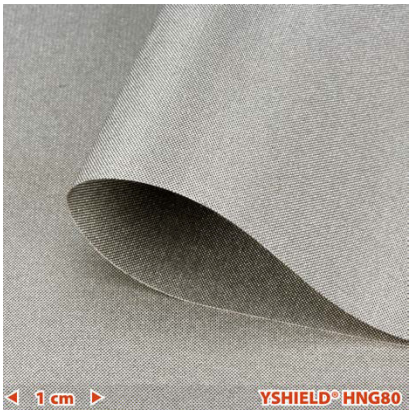
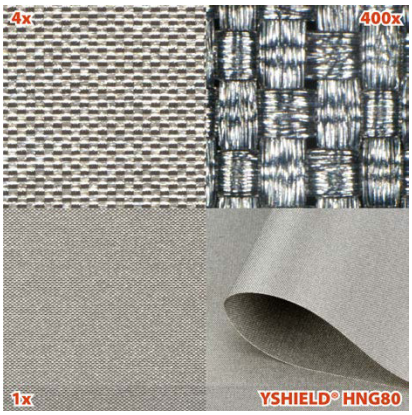
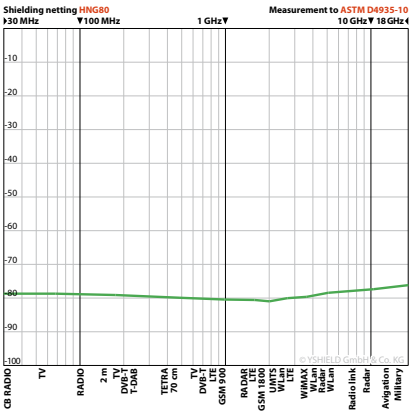
PROnatur24 Handels e.U. - ÖSTERREICH
T +43 (0)5574 24010 / info@pronatur24.shop / www.pronatur24.shop

HNG80 - Polyester netting (HF+LF)

OUR RECOMMENDATION







Characteristics

HNG80 is a compact woven, **metallized polyester netting** for the shielding of high-frequency radiation (HF) and low-frequency electric fields (LF).

Our standard product for easy bonding on walls, ceilings and floors! This professional product is typically used for ministries of defence, banking houses, laboratories, etc. Now available for private use!

Application

For bonding interior on walls, ceilings, floors, as intermediate layer, for **drywall constructions**, loosely laid, etc.

Technical data

- **Widths: 66 cm (HNG80-66), 130 cm (HNG80-130)**
- **Length: By the meter / 20 m roll / 100 m roll**
- **Attenuation: 80 dB**, two-layer 106 dB
- Weight: 80 g/m²
- Material thickness: 0.07 mm
- Color: Anthracite / Brown
- Tensile strength: Very good in both directions, 220 N/mm
- Materials: Polyester, copper, nickel, protection coating
- Surface conductivity: 0.02 ohm (square resistance R☐)

Processing

In case of processing HNG80 as an intermediate layer we recommend using our dispersion glue DKL90 for adhesion. The wall and the backside of HNG80 should be coated with a paint roller. Insert the material wet on wet. Fix it manually (with disposable gloves) and press a gummed roller against the fleece to get a crease-free surface. Work quickly and strip by strip only so that the DKL90 glue does not dry. **A crease-free adhesion is only possible on perfectly level surfaces!** Structured surfaces (ingrain wallpaper, textured plastering) have to be smoothed. If that is not possible, we recommend using our shielding paint HSF54.

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, IEEEE Std 1128-1998, ASTM A698/A698M-07**. Please find the test report at our homepage directly on the product page.