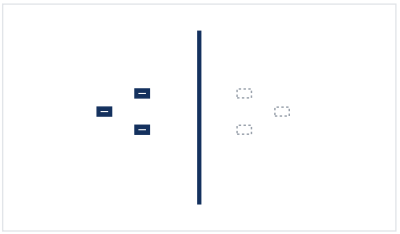
ISO 3 · RF Shielding Wallcovering

Multilayer RFID shielding laminate, installed like a conventional wallcovering.



tag read tag not read

Composition

- Paper, PET-AL film, PVC and adhesive
- Tear-resistant

Printability

- Offset (UV / conventional)
- Flexo (UV / conventional)

Physical characteristics

- Thickness (ISO 534): 145 µm ± 12
- Grammage (ISO 536): 157 g/m² ± 8
- Tensile strength MD (ISO 1924-3/2/300): > 130 N/15 mm
- Tensile strength CD (ISO 1924-3/2/300): > 80 N/15 mm
- Bending stiffness MD (ISO 2493-1 ; 15°/10 mm): > 330 mN
- Bending stiffness CD (ISO 2493-1 ; 15°/10 mm): > 140 mN
- Opacity (ISO 2471): > 98 %
- Whiteness front and back (CIE D65, ISO 11475): > 130
- ISO brightness front and back (ISO 2470-1): > 83 %
- Roll: 99 cm × 50 m, i.e. 49.5 m²
- Carton dimensions: 114 × 18 × 18 cm
- Gross weight: 9.53 kg

Storage

- Keep in the original packaging
- Recommended conditions: 20 ± 5 °C and 50 ± 10 % RH
- Storage life: at least 3 years under these conditions

RF performance

Attenuation of at least 40 dB over the 860-980 MHz range.
95 dB at 13.56 MHz in magnetic field.

Detailed UHF measurements, IEEE 299 method

Frequency	Attenuation	Frequency	Attenuation
860 MHz	49 dB	930 MHz	44 dB
870 MHz	40 dB	940 MHz	49 dB
880 MHz	49 dB	950 MHz	52 dB
890 MHz	51 dB	956 MHz	53 dB
900 MHz	45 dB	960 MHz	47 dB
910 MHz	57 dB	980 MHz	61 dB
920 MHz	47 dB		

The IEEE 299 measurements shown above correspond to a campaign separate from the additional attenuation tests carried out by the Emitech laboratory.

Certifications and classifications

- FSC C005732
- Reaction to fire, France: M1, valid when bonded to any non-insulating M0 substrate, for any application for which the product is not subject to CE marking. Efectis classification report EFR-25-004130 - Revision 1.