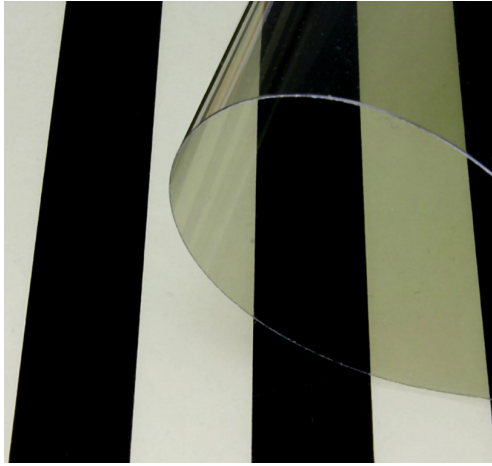




SM-10YH | RDF72 - TECHNICAL DATA

2024/02



Window film with 72 % light transmission in bright green. Attenuation 33 dB. Indoor application on non heat absorbing glass surfaces. Width 29.92 in.

PROPERTIES

SM-10YH(RDF72) is a Precious metal coated and self-adhesive special window film for shielding of high-frequency radiation (HF). Window film with 72 % light transmission in bright green. Attenuation 33 dB. Indoor application on non heat absorbing glass surfaces.

APPLICATION

For the application you mandatory need our plastic scraper, the mounting concentrate, and the edge sealant An assembly instruction is included in the delivery. **Please note:** Do not apply the edge sealant until 8 weeks after installing the window film, so that excess water can evaporate!

PROCESSING

Processing (ARM40) is akin to conventional glass fiber fabric application. It must be pressed non-porously and wrinkle-free into freshly spread reinforcing material, lying in the upper third and completely covered by it. Overlapping between panels should be 10cm, ensuring coverage at building corners and diagonal reinforcement around openings. Grounding requires securely screwing the stainless steel tape GSS25 onto the surface across all panels.

TECHNICAL

- Width:** 29.92 in
- Length:** By the yard / 98.43 ft roll / 32.8 yards roll
- Attenuation:** 33 dB at 1 GHz
- Light transmission:** 72%
- Material thickness:** 75 µm.
- Color of daylight:** Very light green
- Mounting:** Water-activated, pressure-sensitive adhesive to the back.

Only for indoor application on non heat absorbing glass surfaces!

Background: Heat-absorbing glass is already metalized. When solar radiation permeates the metalization and subsequently hits the window foil, multi reflections may occur. The windowpane will needlessly heat up and thus by expansion cause leaks or even cracks in the border-seals. Check the type of glass in advance!

GROUNDING

This product with an electrically isolated surface cannot be contacted or grounded.

SHIELDING ATTENUATION HF & LF

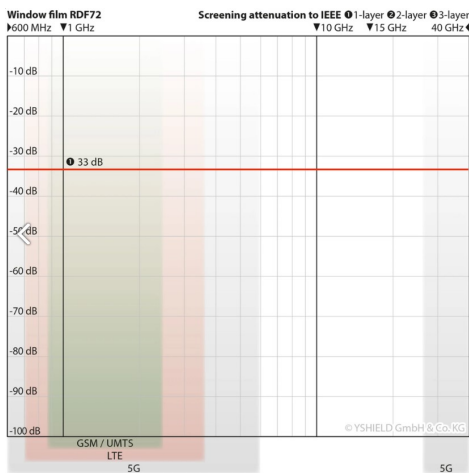
This product **shields high frequency electromagnetic fields (HF)**. Unless otherwise stated, the indicated dB-values apply to 1 GHz. Measurement from 600 MHz to 40 GHz according to standards ASTM D4935-10 or IEEE Std 299-2006.

LABORATORY & EXPERT REPORT OF SHIELDING ATTENUATION UP TO 40 GHZ

We have already invested in our own professional EMV laboratory years ago. We not only use it to create our laboratory screening reports but also to check each batch daily. Additionally, we have all our products checked by an independent, well-respected expert. Double checked for twice the safety. Please find the reports above at the downloads.

READY FOR 5G

Some companies offer "special" 5G-products. This products shields all 5G-frequencies, even without advertising this! Find two gray bars in all shielding diagrams with the 5G frequency spectrum FR1 (600 MHz - 6GHz) and FR2 (24 GHz - 40 GHz).



SM-10YH
RF Shielding Window Film