

Electromagnetic shielding window films

OUR BRIGHT GREEN WINDOW FILMS ARE ABLE TO PERMIT UP TO 72% OF LIGHT TRANSMISSION TOGETHER WITH A 33 dB ATTENUATION. OUR FILMS ARE SUITABLE FOR INDOOR OR OUTDOOR USE ON EVERY TYPE OF GLASS SURFACES

Properties

- Our unique window film, coated with precious metals and equipped with a self-adhesive backing, is designed specifically for shielding against high-frequency radiation (HF). This film, boasting a vibrant bright green tint, allows 72% light transmission while providing a powerful attenuation of 33 dB. Its indoor application is ideal for non-heat-absorbing glass surfaces

Application

- It is crucial to utilize our essential tools: the ITAL SHIELD plastic scraper, the mounting concentrate, and the edge sealant, which can be found among our accessories.
- Each delivery includes comprehensive assembly instructions.
- Be aware that the edge sealant should only be applied after a span of 8 weeks following the installation of the window film. This allows any excess moisture to evaporate totally.

Technical data

- Width: 76 cm or 152 cm
- Length: Available as linear meter or on a 30 m roll
- Attenuation: 33 dB at 1 GHz
- Light Transmission: 72%
- Daylight Color: Very light green
- Mounting: Utilizes water-activated, pressure-sensitive adhesive on the back
- Material Thickness: 75 µm
- Intended for indoor use exclusively on glass surfaces that do not absorb heat

Background Information:

It's important to note that heat-absorbing glass is already metallized. When solar radiation passes through the metallization and subsequently interacts with the window film, multiple reflections may occur.

This unnecessary heating of the window can lead to expansion, potentially resulting in leaks or even cracks in the border seals. Therefore, it's crucial to confirm the type of glass in advance.

Grounding

This product 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.

Ready for 5G

These products are designed to shield against all 5G frequencies. In the shielding diagrams, you will find two gray bars representing the 5G frequency spectrums: **FR1 (600 MHz – 6 GHz)** and **FR2 (24 GHz – 40 GHz)**.



*LET'S LOVE OURSELVES,
BE PROTECTED*