

## High Frequency Shielding Window Films for glass surfaces

Precious-metal coated and self-adhesive films for the protection of **windows and glass surfaces** against **high-frequency radiation (HF)**. Only for indoor application on non-heat-absorbing glass.

### Our recommendations:

- **RDF50-Standard** with a perfect ratio of price to light transmission and attenuation.
- **RDF72-Premium** is our premium film consisting of 12 metal layers for highest level radiation shielding. Unrivaled attenuation and a very high degree of light transmission (once applied, glass appears clear and the fractional tint is barely noticeable).



### HF/ Shielding window film RDF 63/ 1 lineal metre

**Attenuation 20 dB** (99 % shielding effectiveness), **63 % light transmission**.  
Only recommended when radiation is low.



### HF/ Shielding window film RDF 50 - Standard / 1 Lineal metre

**Attenuation 30 dB** (99.9 % shielding effectiveness), **50 % light transmission**.  
Perfect ratio of price to light transmission and attenuation.



### HF/ Shielding window film RDF 22 / 1 lineal metre

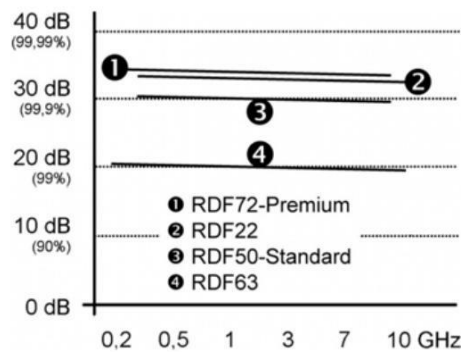
**Attenuation 33 dB** (99.95 % shielding effectiveness), **22 % light transmission**.  
Good price-performance ratio, low degree of light transmission.



### HF/ Shielding window film RDF 72 - Premium / 1 lineal metre

**Attenuation 34 dB** (99.96 % shielding effectiveness), **72 % light transmission**.  
Premium- foil consisting of 12 metal layers for highest level radiation shielding with an unrivaled attenuation and a very high degree of light transmission.

## High Frequency Shielding Window Film RDF63 / 1 lineal metre



This product can be ordered in measurements of 1 lineal metre or more. This product is cut off a large roll of film according to customer specifications and product returns are not possible.

**Precious- metal coated** and **self- adhesive** film for shielding of **windows** and **glass surfaces** from high - frequency radiation (HF). Only for indoor application on non heat-absorbing glass. **Only recommended when radiation is low.**

#### Technical data:

- **Width:** 152 cm.
- **Length:** Linear metre.
- **Attenuation 20 dB** (99 % shielding effectiveness) at 1 GHz, see diagram for all frequencies in the image above. Attenuation certified by Prof. Dipl.-Ing. P. Pauli of the University of the German Federal Armed Forces in Munich, Germany according MIL-STD 285 and IEEE-Standard 299-1997.
- **Light transmission: 63 %**
- Color of daylight: Gray.
- Indoor application, predominantly on glass surfaces but also on doors and other level surfaces.
- Installation: Water-activated, pressure-sensitive adhesive to the back.
- Material thickness: 37,5 µm.

**Only for indoor application on non heat absorbing glass surfaces.** Heat-absorbing glass is already metallized. When solar radiation permeates the metallization and subsequently hits the window film, multi-reflections may occur. The windowpane will needlessly heat up and thus by expansion cause leaks or even cracks in the border-seals. We recommend checking the type of glass in advance.

#### **We recommended you use the following products for installation:**

Alternatively contact us for a quote for our expert installers to install the window film for you.



#### **Mounting Concentrate FMK30 / 30ml**

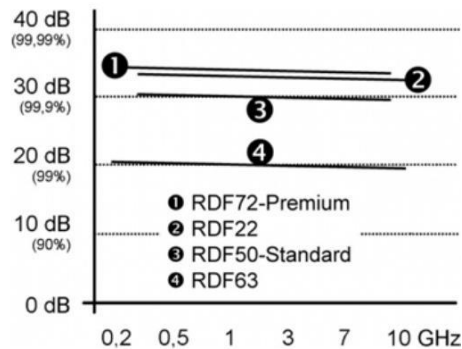
Installation concentrate for wet bonding. 30 ml for 0.5 liter water.



#### **Plastic Scraper FVR10 / 10cms**

Plastic scraper 10 cm with felt edge for a bubble-free bonding of windowpanes on glass surfaces.

## High Frequency Shielding Window Film RDF50– Standard / 1 lineal metre



This product can be ordered in measurements of 1 linear meter or more. This product is cut off a large roll of film according to customer specifications and product returns are not possible.

Precious- metal coated and self- adhesive film for shielding of windows and glass surfaces from high-frequency radiation (HF). Only for indoor application on non heat-absorbing glass.

Perfect ratio of price to light transmission and attenuation.

#### Technical data:

- **Width:** 152 cm.
- **Length:** Linear metre.
- **Attenuation 30 dB** (99.9 % shielding effectiveness) at 1 GHz, see diagram for all frequencies in the image above. Attenuation certified by Prof. Dipl.-Ing. P. Pauli of the University of the German Federal Armed Forces in Munich, Germany according MIL-STD 285 and IEEE-Standard 299-1997.
- **Light transmission: 50 %**
- Color of daylight: Gray.
- Indoor application, predominantly on glass surfaces but also on doors and other level surfaces.
- Installation: Water-activated, pressure-sensitive adhesive to the back.
- Material thickness: 37,5 µm.

**Only for indoor application on non heat absorbing glass surfaces.** Heat-absorbing glass is already metallized. When solar radiation permeates the metallization and subsequently hits the window film, multi-reflections may occur. The windowpane will needlessly heat up and thus by expansion cause leaks or even cracks in the border-seals. We recommend checking the type of glass in advance.

#### We recommended you use the following products for installation:

Alternatively contact us for a quote for our expert installers to install the window film for you.



#### Mounting Concentrate FMK30 / 30ml

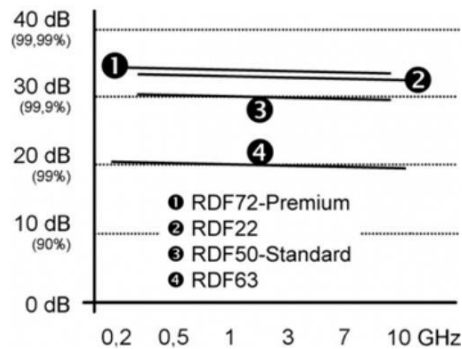
Installation concentrate for wet bonding. 30 ml for 0.5 liter water.



#### Plastic Scraper FVR10 / 10cms

Plastic scraper 10 cm with felt edge for a bubble-free bonding of windowpanes on glass surfaces.

## High Frequency Shielding Window Film RDF22 / 1 lineal metre



This product can be ordered in measurements of 1 linear meter or more. This product is cut off a large roll of film according to customer specifications and product returns are not possible.

**Precious- metal coated and self- adhesive** film for shielding of **windows** and **glass surfaces** from high-frequency radiation (HF). Only for indoor application on non heat-absorbing glass.

**Good price– performance ratio, low degree of light transmission.**

#### Technical data:

- **Width:** 152 cm.
- **Length:** Linear metre.
- **Attenuation 33 dB** (99.95 % shielding effectiveness) at 1 GHz, see diagram for all frequencies in the image above. Attenuation certified by Prof. Dipl.-Ing. P. Pauli of the University of the German Federal Armed Forces in Munich, Germany according MIL-STD 285 and IEEE-Standard 299-1997.
- **Light transmission: 22 %**
- Color of daylight: Dark gray.
- Indoor application, predominantly on glass surfaces but also on doors and other level surfaces.
- Installation: Water-activated, pressure-sensitive adhesive to the back.
- Material thickness: 37,5 µm.

**Only for indoor application on non heat absorbing glass surfaces.** Heat-absorbing glass is already metallized. When solar radiation permeates the metallization and subsequently hits the window film, multi-reflections may occur. The windowpane will needlessly heat up and thus by expansion cause leaks or even cracks in the border-seals. We recommend checking the type of glass in advance.

#### **We recommended you use the following products for installation:**

Alternatively contact us for a quote for our expert installers to install the window film for you.



#### **Mounting Concentrate FMK30 / 30ml**

Installation concentrate for wet bonding. 30 ml for 0.5 liter water.

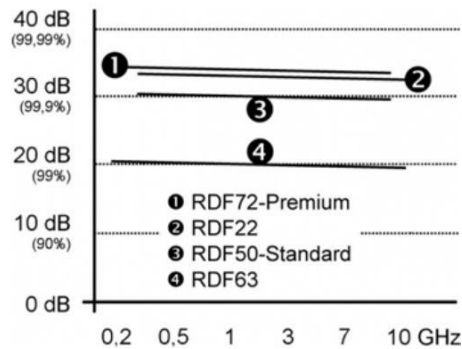


#### **Plastic Scraper FVR10 / 10cms**

Plastic scraper 10 cm with felt edge for a bubble-free bonding of windowpanes on glass surfaces.



## High Frequency Shielding Window Film RDF72– Premium / 1 lineal metre



This product can be ordered in measurements of 1 linear metre or more. This product is cut off a large roll of film according to customer specifications and product returns are not possible.

Precious- metal coated and self- adhesive film for shielding of windows and glass surfaces from high-frequency radiation (HF). Only for indoor application on non heat-absorbing glass.

**Our recommendation: premium film consisting of 12 metal layers, offering unrivalled attenuation and a very high degree of light transmission.**

#### Technical data:

- **Width:** 152 cm.
- **Length:** Linear metre.
- **Attenuation 34 dB** (99.96 % shielding effectiveness) at 1 GHz, see diagram for all frequencies in the image above. Attenuation certified by Prof. Dipl.-Ing. P. Pauli of the University of the German Federal Armed Forces in Munich, Germany according MIL-STD 285 and IEEE-Standard 299-1997.
- **Light transmission: 72 %**
- Color of daylight: Very light green
- Indoor application, predominantly on glass surfaces but also on doors and other level surfaces.
- Installation: Water-activated, pressure-sensitive adhesive to the back.
- Material thickness: 75 µm.

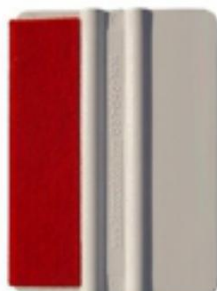
**Only for indoor application on non heat absorbing glass surfaces.** Heat-absorbing glass is already metallized. When solar radiation permeates the metallization and subsequently hits the window film, multi-reflections may occur. The windowpane will needlessly heat up and thus by expansion cause leaks or even cracks in the border-seals. We recommend checking the type of glass in advance.

#### We recommended you use the following products for installation:

Alternatively contact us for a quote for our expert installers to install the window film for you.



**Mounting Concentrate FMK30 / 30ml**  
Installation concentrate for wet bonding. 30 ml for 0.5 liter water.



**Plastic Scraper FVR10 / 10cms**  
Plastic scraper 10 cm with felt edge for a bubble-free bonding of windowpanes on glass surfaces.



**Edge Sealant FKV50 / 50ml**  
Strictly required edge sealing for our window foil RDF72-Premium