



# Solar Screen

## CU 20 dB36

Safety  
Specialty - Anti High Frequency

### Description

The CU 20 dB36 - Anti-high frequency film considerably reduces solar heat while retaining some of the natural light. It allows a good reduction of glare and brings to the building a colored and personalized touch. Finally, thanks to its pure copper alloy, it effectively protects high frequencies and attenuates up to almost 37 dB.

### Certifications



**REACH / RoHS**  
Compliant



**Fire Resistance Rating**  
M1













**ASTM D4935 (EMI)**  
EMI attenuation: 35.9 dB @ 2 GHz





View test videos on  
the safety film

## Characteristics

-  **Warranty**  
4 years
-  **Fire Resistance Rating**  
M1
-  **Storage in recommended conditions**  
3 years
-  **REACH / RoHS**  
Compliant
-  **ASTM D4935 (EMI)**  
EMI attenuation: 35.9 dB @ 2 GHz
-  **Widths Available**  
152 cm
-  **Installation Type**  
Exterior
-  **Color From the Outside**  
Copper
-  **Length**  
30.5 m
-  **Product Carbon Footprint (LCA)**  
1.26 kgCO<sub>2</sub>e/m<sup>2</sup>

## Mechanical Properties

-  **Tensile force at break**  
N/A
-  **Elongation at break**  
N/A

## Optical and solar properties

Pane type	Single 3mm		Double Low-E	
	No film	With Film	No film	With Film
UV Rejection (%)	25	99	40	99
<b>Visible Light Transmission (%)</b>	<b>91</b>	<b>20</b>	<b>82</b>	<b>18</b>
Visible Light Reflection - External (%)	8	37	11	37
Visible Light Reflection - Internal (%)	8	37	12	37
Solar Energy Reflection (%)	5	39	28	40
Solar Energy Absorption (%)	8	46	12	50
Solar Energy Transmission (%)	87	15	60	11
<b>Total Solar Energy Rejected (%)</b>	<b>12</b>	<b>78</b>	<b>35</b>	<b>86</b>
Glare Reduction (%)	-	79	-	76
Shading Coefficient	-	0.31	-	0.22
<b>g-value</b>	<b>0.88</b>	<b>0.27</b>	<b>0.65</b>	<b>0.14</b>

## Construction

- 1 Scratch-resistant hard coating providing surface protection, durability, and ease of cleaning
- 2 High optical quality dyed polyester with an IR-blocking metallic particle coating
- 3 Bonding adhesive
- 4 High optical quality polyester
- 5 PS adhesive, polymerizes with glass within 15 days
- 6 Protection PET release liner, disposable after installation

-  **Composition**  
PET
-  **Thickness**  
75 µm

## Application advice<sup>01</sup>

Vertical situation and for a standard glazed surface

Clear Single Pane	✓
Tinted Single Pane	✓
Reflective Tinted Single Pane	✓
Clear Double Pane	✓
Tinted Double Pane	✓
Reflective Tinted Double Pane	✓
Gas-Filled Double Pane - Low E	!
Stadip Ext. Clear Double Pane	✗
Stadip Int. Clear Double Pane	!

✓ Yes ✗ Not recommended ! Caution

## Installation and Maintenance Advise

Use Slide On (600-FO2) or Film On (600-F0355) diluted at 2 cL/L of water for installation and cleaning. Do not clean for one month after installation or apply stickers/adhesives on the film.



Download the installation and maintenance advice

**01** Advice based on glazed surface area up to 2.5 m<sup>2</sup>, please contact us for any confirmation or thermal shock analysis.  
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