



# Solar Screen

## CU 20 dB36

Safety

Specialty - Anti High Frenquency

### 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

Certified



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)**  
1.56 kgCO<sub>2</sub>e/m<sup>2</sup>

## Construction

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

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

## 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        |
| Visible Light Transmission (%)          | 91         | 20        | 82           | 18        |
| 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        |
| Total Solar Energy Rejected (%)         | 12         | 78        | 35           | 86        |
| Glare Reduction (%)                     | -          | 79        | -            | 76        |
| Shading Coefficient                     | -          | 0.31      | -            | 0.22      |
| g-value                                 | 0.88       | 0.27      | 0.65         | 0.14      |

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

<sup>01</sup> 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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