



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 kgCO₂e/m²

Mechanical Properties

-  **Tensile strength 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	12	40
Solar Energy Absorption (%)	8	46	28	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

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 advice⁰¹

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 m², please contact us for any confirmation or thermal shock analysis.
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