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 B Corporation

View test videos on the safety film

Solar Screen

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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 kgCO2e/m²

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

Mechanical Properties

Tensile force at break
N/A

Elongation at break
N/A

Optical and solar properties

	Single 3mm		Double Low-E	
Pane type	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[01]

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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