



Solar  Screen

NS 50 dB29

Safety
Specialty - Anti High Frequency

Description

The specific composition of different metal alloys in the NS 50 dB29 film significantly limits the passage of waves at all frequencies and provides a certain degree of sun protection to your windows.

Certifications



REACH / RoHS
Compliant



Fire Resistance Rating
M1













ASTM D4935 (EMI)
EMI attenuation: 29.3 dB @ 1 GHz





View test videos on
the safety film

Characteristics

-  **Warranty**
10 years
-  **Fire Resistance Rating**
M1
-  **Storage in recommended conditions**
3 years
-  **REACH / RoHS**
Compliant
-  **ASTM D4935 (EMI)**
EMI attenuation: 29.3 dB @ 1 GHz
-  **Widths Available**
152 cm
-  **Installation Type**
Interior
-  **Color From the Outside**
Champagne
-  **Length**
30.5 m
-  **Product Carbon Footprint (LCA)**
1.56 kgCO₂e/m²

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	47	82	43
Visible Light Reflection - External (%)	8	29	11	30
Visible Light Reflection - Internal (%)	8	28	12	29
Solar Energy Reflection (%)	5	47	28	40
Solar Energy Absorption (%)	8	25	12	41
Solar Energy Transmission (%)	87	28	60	19
Total Solar Energy Rejected (%)	12	64	35	51
Glare Reduction (%)	-	48	-	43
Shading Coefficient	-	0.41	-	0.75
g-value	0.88	0.36	0.65	0.49
U-value (W/m ² .°C)	5.8	4.9	1.1	1.1

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**
55 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. It is essential to apply our sealing varnish (ref. 600-3950) to the edges of the film after installation to prevent oxidation of the metal alloys.



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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