abode window films

THERMAL INSULATION LOW-E 20

THERMAL INSULATION WINDOW FILM

Thermal Insulating Window Film Low-E 20, also referred to as climate control window film. The film works by capturing heat during the winter and directing it back into the room for added warmth. In the summer, it reflects harmful UV rays and solar heat away from windows, reducing the need for cooling. As a result, this technology lowers energy usage, leading to savings on both heating and cooling costs. Thermal insulating window film can be installed on existing glazing, including single and double pane glass. Also known as low emissivity window films, these products feature a special coating designed to reflect radiant heat.

Certifications

Warranty
6 yrs

Fire-Resistance Rating
M1

Storage From -5°C To +40°C
3 years

Reach Rohs Compliant
Respected

Widths Available
152cm

Construction

1. Hard scratch resistant layer, for durability and ease of maintenance during window cleaning
2. High optical quality polyester, with anti IR metal particles deposit
3. Bonding adhesive
4. High optical quality polyester
5. PS adhesive, glass polymerization within 15 days
6. Protection release liner, disposable after installation

Maintenance Instructions

Clean with soapy water solution.
Do not clean for at least a month and do not apply any type of sticker or adhesive on the film.

Technical Datasheet

Ultraviolet Transmission	1%
Visible Light Transmission	15%
Reflection Of External Visible Light	53%
Reflection Of Internal Visible Light	61%
Total Solar Energy Rejected	82%
Total Solar Energy Rejected 2*	86%
Solar Ratio :	
Solar Energy Reflection	63%
Solar Energy Absorption	25%
Solar Energy Transmission	15%
Reduction In Solar Glare	83%
G-Value	0.18
U-Value	3.8
Heat Loss Reduction (Winter)	34%
Shading Coefficient	0.62
Installation Type	Interior
Roll Length	30.5 meters m
Film Composition	PET
Thickness	50µ
Colour From The Outside	SILVER

Installation Advice

Vertical position and standard glass 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

*Recommendations provided on the basis of a glazed surface covering up to 2.5m², contact us for definitive details or to obtain a thermal chock analysis report.

The information on this data sheet is not binding.
Abode Window Films reserve the right to change the composition of its products at any time. Please consult our warranty terms and general sales conditions

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