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WALIA GLOBAL VENTURES

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ECO STAR



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Eco Star Glass

Description

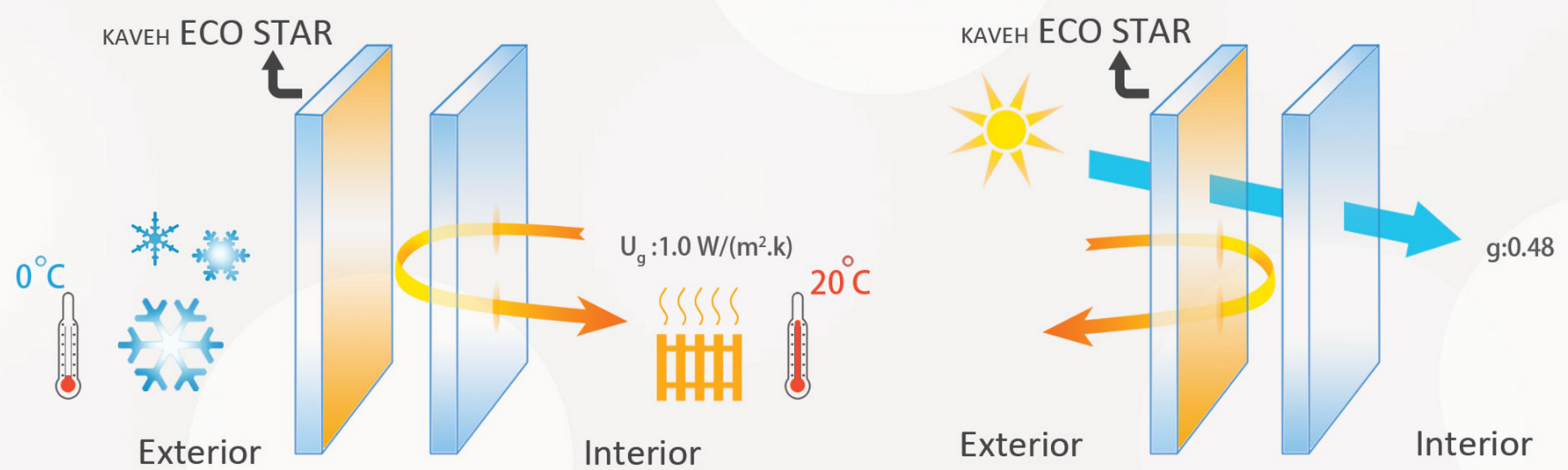
Kaveh Glass Eco Star is a Low-E, neutral soft coated glass. The metallic oxide coating is deposited on to the clear float glass under vacuum conditions (sputtering system). The coating reflects both long and short wave infra-red.

Features

- Applicable on clear float glass
- Dimensions: 3210 x 2250 mm
- Thickness: 4 and 6 mm
- In winter, Kaveh Glass Eco Star double glazing provides 3 times more heat insulation than standard double glazing and this offers many advantages such as:
 - Energy savings, due to reduced heating requirements.
 - Environmental protection due to reduction in energy used for heating.
 - Reduced condensation on the inside surface of the windows, as the interior pane is kept closer to room temperature.
- In summer, in addition to the fact that it blocks twice as much as direct heat from the sun, Kaveh Glass Eco Star offers remarkable advantages such as:
 - Improved comfort, due to a more desirable interior temperature being maintained.
 - A reduction in the running costs, where there is air conditioning.
- The appearance of Kaveh Glass Eco Star is neutral both in transmission and in reflection and is almost the same as that of standard double glazing.
- When used in renovation projects, Kaveh Glass Eco Star double glazed units can be used in existing frames.
- The multi-functionality of Kaveh Glass Eco Star can be further enhanced by using it with other types of glass to provide acoustic insulation, security, decoration or privacy.
- By customer order, Kaveh Glass Eco Star is deliverable in laminated glass.

Specifications

| Performances(EN 410 & EN 673) | |
|---|----------------------|
| Interior Pane | Clear Float Glass |
| Exterior Pane (Coating Position # 2) | KAVEH GLASS Eco Star |
| Light Transmittance (LT%) | 72 |
| Exterior Light Reflectance (LR _e %) | 15 |
| Interior Light Reflectance (LR _i %) | 13 |
| Solar Factor(g) | 0.48 |
| Shading Coefficient(SC) | 0.56 |
| U _g Value EN 673 [W/(m ² .k)] | 1.0 |



Processing Considerations

Kaveh Glass Eco Star should always be manufactured into a double glazed unit. The coating should always be placed facing the cavity of the double glazed unit, on face 2.

As Kaveh Glass Eco Star is a soft-coated low-E glass, certain considerations should be taken when processing the glass into double glazed units.

Storage

Kaveh Glass Eco Star should be stored in a dry and well-ventilated location. The glass must be processed within a certain time period.



Handling and cutting

- Avoid direct contact with the coated surface.
- Always wear suitable protective gloves.
- Always place on the cutting table with the coated surface facing upwards.
- The coated surface should either be cut in dry conditions or by using special cutting oil.

Edge stripping

The coating along the edges of the sheets must be removed prior to manufacture into a double glazed unit. This is to ensure adhesion to the spacer bar of the double glazed unit.

Washing

Use a washing machine which is capable of washing coated glass.