ISICAM® C series SYSTEMS

The Isıcam Systems C Series is the classical series which provides insulation at a standard level through the Isıcam's assurance.

Features

Isıcam C L

Isıcam unit, manufactured by using Şişecam Laminated Glass, offers safety and security features by preventing injuries that may be caused by the fragmentation of glass after breaking, as well as thermal insulation.

Isıcam C AL

Isıcam unit, manufactured by using sound insulation Şişecam Acoustic Laminated Glass, also provides noise control in addition to thermal insulation, thusly reducing the transfer of sound while also offering the safety and security features of Şişecam Laminated Glass.

Isıcam C R

Isıcam unit, manufactured by using the Şişecam Tinted Float Glass that provides solar control, both offers thermal insulation and limits solar heat gain in buildings, as well as controls extreme solar brightness, and reduces cooling energy consumption in air-conditioned environments.

Isıcam C RF

Isıcam unit, manufactured by using Şişecam Tentesol and Şişecam Tentesol Titanium reflective glass that provides solar control, both ensures thermal insulation and limits solar heat gain in buildings, as well as controls extreme solar brightness and reduces cooling energy consumption in air-conditioned environments. It creates a mirror effect when it is viewed from the side where the light is bright, due to its reflective features. It provides visual integrity on commercial buildings with glass facades.

ISICAM® C SYSTEMS series	Day Light (EN 410)		Solar Energy (EN 410)		U Value (EN 673) W/m² K	
	Transmittance (%)	Reflectance - out (%)	Solar Factor	Shading Coefficient	Air	Argon
6+12+6	78	14	0.71	0.82	2.8	2.6
6+16+6					2.7	2.6

** Combination: 6 mm Şişecam Clear Float + Air Space + 6 mm Şişecam Clear Float*
For different combinations http://www.sisecamduzcam.com/en/business-segments/architectural-glass/performance-calculator

Translucency: The percentage of light that passes through the glass.
Daylight Reflection: The percentage of light that is reflected by the glass.
Solar Energy Total Translucency: The percentage of the total sun heat that affects the indoors.
Shade Coefficient: Comparison of the total translucency of solar energy with 3 mm colourless glass.
Heat Conductivity Coefficient (U value): The measure of the heat escaping outdoors.

ISICAM® K series SYSTEMS

Isıcam Systems K series is made of high quality heat and solar control coated Şişecam Solar Low-E Glass. By providing maximum thermal insulation and solar control, it reduces your heating costs in winter and cooling costs in summer.

Advantages

- Compared to ordinary double glazing units, it reduces thermal losses by 50% saving heating costs in winter, and it reduces solar heat gains by 40%, thus reducing cooling costs and saving energy in summer.
- It does not compromise transparency and natural daylight while providing thermal and solar control.
- It prevents cold window fronts in winter and hot window fronts in summer, and delays condensation compared to ordinary double glazing units.
- Compared to ordinary double glazing units, your spending on Isıcam K will return you in 1 to 2 years time with your heating costs saved in winter.

Features

Isıcam K L

Isıcam unit, manufactured by using Şişecam Solar Low-E Glass and Şişecam Laminated Glass that offers safety and security, both provides savings for the heating and cooling costs and prevents the fragmentation of glass upon potential injuries.

Isıcam K AL

Isıcam unit, manufactured by using Şişecam Solar Low-E Glass and Şişecam Acoustic Laminated Glass, provides sound insulation in addition to saving heating and cooling costs and also has the safety and security features of Şişecam Laminated Glass.

Isıcam K T

It is manufactured by using the safety-providing Şişecam Temperable Solar Low-E Glass (heat and solar control glass). When it is broken, it fragments into small and blunt pieces thus reduces the risk of injury. That's why it is eligible for use as a safety glass. The product reduces heating and cooling costs by its heat and solar control features.

Isıcam K 3+

It is the triple Isıcam systems which provides maximum insulation. It offers 4 times better thermal insulation compared to ordinary double glazing units.

ISICAM® K SYSTEMS series	Day Light (EN 410)		Solar Energy (EN 410)		U Value (EN 673) W/m^2 K	
	Transmittance (%)	Reflectance - out (%)	Solar Factor	Shading Coefficient	Air	Argon
* 4 (≠2)+12+4	71	10	0.44	0.51	1.6	1.3
* 4 (≠2)+16+4					1.3	1.1
* 6 (≠2)+12+6	69	10	0.43	0.49	1.6	1.3
* 6 (≠2)+16+6					1.3	1.1

** Combination: Şişecam Solar Control Low E Glass + Air Space + Şişecam Clear Float*

For different combinations http://www.sisecamduzcam.com/en/business-segments/architectural-glass/performance-calculator

Translucency: The percentage of light that passes through the glass.

Daylight Reflection: The percentage of light that is reflected by the glass.

Solar Energy Total Translucency: The percentage of the total sun heat that affects the indoors.

Shade Coefficient: Comparison of the total translucency of solar energy with 3 mm colourless glass.

Heat Conductivity Coefficient (U value): The measure of the heat escaping outdoors.

Isıcam Systems S series is made of high quality heat control coated Şişecam Low-E Glass. They provide maximum thermal insulation and reduce your heating costs.

Advantages

- Compared to double glasses, it reduces heat losses by 50% and decreases fuel costs.
- It does not compromise transparency and natural daylight while providing thermal control.
- It prevents cold window fronts in winter and delays condensation compared to ordinary double glazing units.
- Compared to ordinary double glazing units, your spending on Isıcam S will return you in 1 to 2 years time with your heating costs saved in winter.

Features

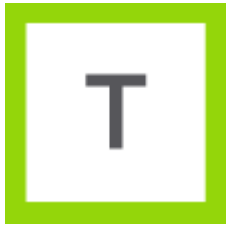
Isıcam S L

Isıcam unit, manufactured by using Şişecam Low-E Glass and Şişecam Laminated Glass that offers safety and security, both provides savings for the heating costs and prevents the fragmentation of glass upon potential injuries.

Isıcam S AL

Isıcam unit, manufactured by using Şişecam Low-E Glass and Şişecam Acoustic Laminated Glass, provides sound insulation in addition to saving heating costs and also has the safety and security features of Şişecam Laminated Glass.

Isıcam S T



It is manufactured by using the safety-providing Şişecam Temperable Low-E Glass (heat control glass). When it is broken, it fragments into small and blunt pieces thus reduces the risk of injury. That's why it is eligible for use as a safety glass. The product reduces heating costs by its heat control features.

Isıcam S 3+

It is the triple glazing insulating Isıcam unit which provides maximum insulation. It offers 4 times better thermal insulation compared to ordinary double glazing.

Isıcam S R

Isıcam unit, manufactured by using Şişecam Low-E Glass and Şişecam Tinted Float Glass that provides solar control, both offers thermal insulation and limits solar heat gain in buildings, as well as controls extreme solar brightness, and reduces cooling energy consumption in air-conditioned environments.

Isıcam S RF

Isıcam unit, manufactured by using Şişecam Low-E Glass and Şişecam Tentesol or Şişecam Tentesol Titanium reflective glass that provides solar control, both ensures thermal insulation and limits solar heat gain in buildings, as well as controls extreme solar brightness and reduces cooling energy consumption in air-conditioned environments.It creates a mirror effect when it is viewed from the side where the light is bright, due to its reflective features. It provides visual integrity on commercial buildings with glass facades.

ISICAM® S SYSTEMS series	Day Light (EN 410)		Solar Energy (EN 410)		U Value (EN 673) W/m² K	
	Transmittance (%)	Reflectance - out (%)	Solar Factor	Shading Coefficient	Air	Argon
* 6 (≠2) + 12 + 6	77	12	0.54	0.62	1.6	1.3
* 6 (≠2) + 16 + 6					1.3	1.1
** 6 + 12 + 6 (≠3)	77	11	0.58	0.67	1.6	1.3
** 6 + 16 + 6 (≠3)					1.3	1.1

** Combination: 6 mm Şişecam Low E Glass + Air Space + 6 mm Şişecam Clear Float*
*** Combination: 6 mm Şişecam Clear Float + Air Space + 6 mm Şişecam Low E Glass*
For different combinations http://www.sisecamduzcam.com/en/business-segments/architectural-glass/performance-calculator

Translucency: The percentage of light that passes through the glass.
Daylight Reflection: The percentage of light that is reflected by the glass.
Solar Energy Total Translucency: The percentage of the total sun heat that affects the indoors.
Shade Coefficient: Comparison of the total translucency of solar energy with 3 mm colourless glass.
Heat Conductivity Coefficient (U value): The measure of the heat escaping outdoors.