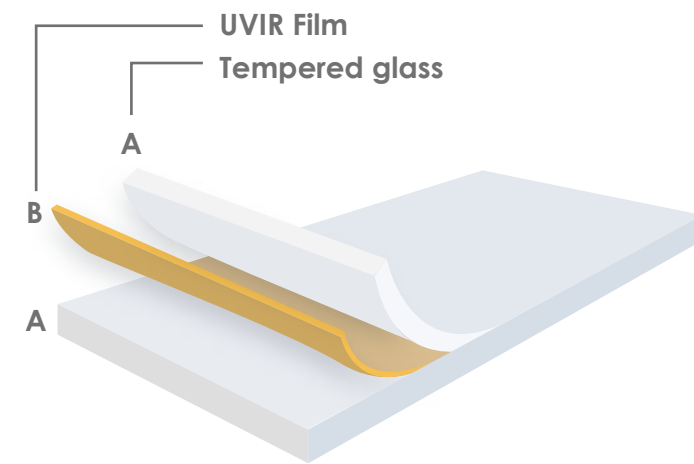


High transparency Heat blocking Shatter resistant Sound Isolation

High transparency series-laminated glass <P-7090>

Compare with Low-E glass, it is more efficient to resist infrared radiant heat! Low reflection and high transparency without affecting the original color design. The non-metal substance does not cause any oxidation.

70% **>90%**
VLT IR Blocked



Item	Thickness ±5%(mm)	Weight ±5%(kg/m2)	Laminated glass structure(mm)				
			Tempered Glass	UVIR Film	Tempered Glass	Air	Tempered Glass
P-7090-505	10.8	25.9	5	0.86	5	N/A	N/A
P-7090-606	12.8	30.9	6	0.86	6	N/A	N/A
P-7090-AG505	27.8	39.5	5	0.86	5	12	5

**The product aesthetics test follows the national standard CNS-2217R2044 for tempered glass aesthetics inspection. Quotation needed if higher inspection standard required for Uplus products.

High thermal insulation series laminated glass <P-60100>

High thermal insulation laminated glass is created by the gradual increase energy-saving housing demand. It greatly reduces A/C electricity usage and save electricity costs to match the requirement in the market.

60% **>99%**
VLT IR Blocked

Item	Thickness ±5%(mm)	Weight ±5%(kg/m2)	Laminated glass structure(mm)				
			Tempered Glass	UVIR Film	Tempered Glass	Air	Tempered Glass
P-60100-505	10.8	25.9	5	0.86	5	N/A	N/A

**The product aesthetics test follows the national standard CNS-2217R2044 for tempered glass aesthetics inspection. Quotation needed if higher inspection standard required for Uplus products.

In Comparison With LOW-E Glass Capabilities



	Optical Property					Thermal Property
	UV Transmittance (%)	VLT (%)	VLR (%)	Solar radiation transmittance (%)	Solar radiation reflectance (%)	SC
Uplus High transparency series	<1	71.53	6.99	33.37	5.35	0.625
Uplus High thermal insulation series	<1	45.00	8.58	18.82	9.23	0.40
5mm+5mm clear glass	<1	78.00	8.00	77.00	7.00	0.91
5mm+5mm Low-e glass	<1	60.96	15.18	44.86	13.16	0.71

Uniquely Created Nano-tech Insulation Materials And Technique Produces Highly Efficient Glass For Green Building Materials



Green Building Materials <Double Glazed Unit>

Uplus has patents in nano-tech insulation materials and high-tech UVIR film, combining these with laminated technique creates high quality glass to meet the "Green Building Material" standard.



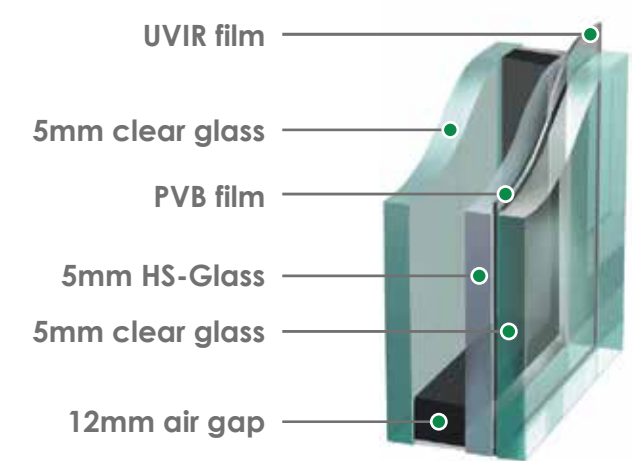
Applications •



Tea Packing Material Store
Nantou



Yunlin Christian Hospital
Yunlin



UV transmittance%	0.95
Visible Light transmittance%	51
Visible Light Reflectance%	8.37
Solar Heat Gain Coefficients%(SHGC)	0.291
Shading Coefficients(SC)	0.335
Thermal Transmittance(U)	2.517



Uplus Life plus.



Uplus Gives You Total Solution Of Energy-Saving Applications To Create A More Comfortable And Friendly Living Environment

Renewable energy development is far less than the rate of energy consumption. The construction industry attaches great importance to "energy-saving houses", so that the demand for insulated building materials will become higher and higher. Uplus takes care of health and the future with the utmost efforts to block solar thermal energy and UV rays.

- 2003

2003 National Central University R&D team formed
- 2013

2013 Zirco Applied Materials Co., Ltd. founded
- 2015

2015 International patents created
- 2016

2016 「Uplus」 brand established

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4 Reasons To Choose Vampire Shield Insulating Glass



Uplus,
Life Plus!



- 01

>99%
UV blocking
- 02

High
Transparency
- 03

Low
Reflectance
- 04

Non-metal
Substance coating

Uplus Energy Saving Glass

Energy-saving building materials | Application of Nano Technology | Application of Consumer Goods



- Worry about the conventional Low-e glass is oxidized year by year, insulation capability is invalid?
- Need to block the heat outdoors and allow visible light to pass through?
- Worry about insulation glass has color difference from other glass?
- Looking for 100% UV rays blocking to avoid furniture color fading or skin aging?
- Worry about neighbor' s complaints about your glass glare?
- Worry about the metal substance coating on insulation glass affecting phone signal reception?
- Looking for a type of glass with better sound insulation than conventional laminated glass?