



Sketch

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Cool in Summer, Warm in Winter



Thermal Insulating Glass Coat for window glass

IRUV Cut Coat Hyper-SP

IR Cut
80%

UV Cut
99%

VLT
75%

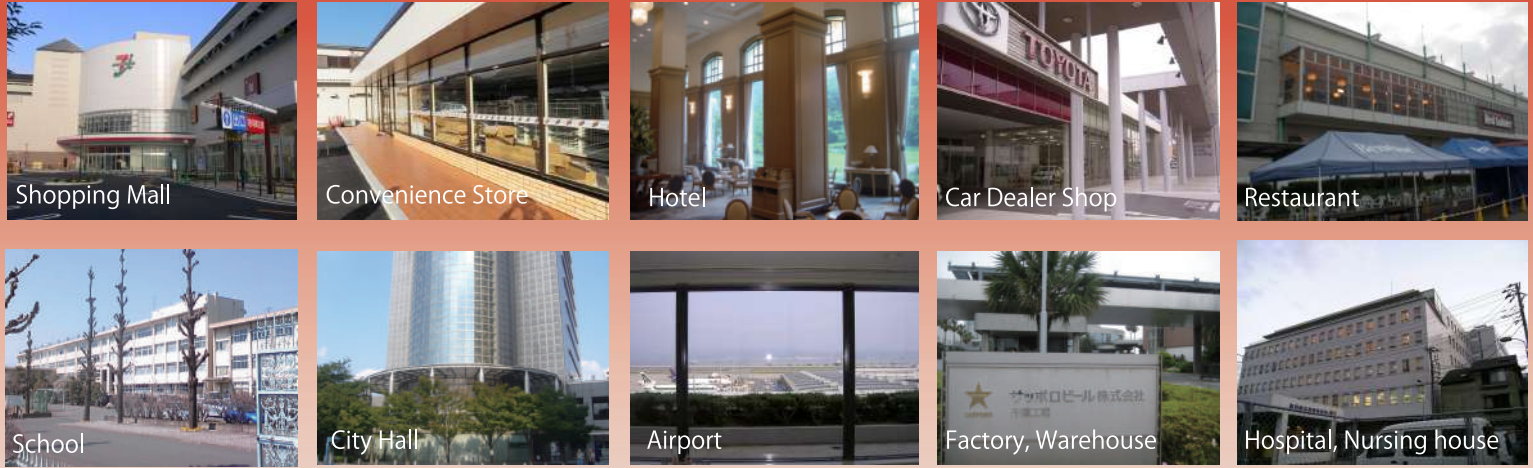
Durability
10years
OF MORE

Energy
Saving
25%~30%

Condensation
Supprssion
50%
OF MORE

※Based on Japanese
ETV test result

Application results of over 1 million m² for 20years Sales results to more than 30 countries

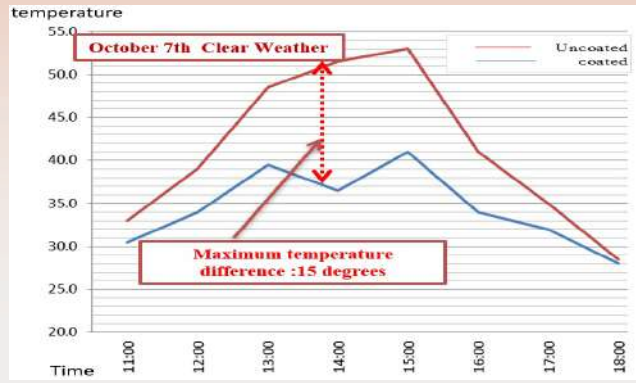


After Roller Application, Checking performance



Split type Optical property measurement Device

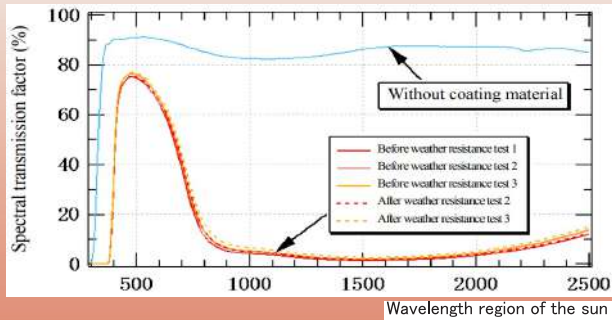
IR Cut 83%
UV Cut 99%
VLT 75%



Japanese Technical Data for performance and energy saving



Spectral transmittance graph



Calculation Results in view of the effects of cooling and heating throughout the year

		Tokyo	
		Housing (detached wooden construction)	Office
Effect to reduce air conditioning load ¹ (yearly air-conditioning)	Calorific value	610 kWh/year (1,933 kWh/year → 1,323 kWh/year)	1,699 kWh/year (6,616 kWh/year → 4,917 kWh/year)
	Power rate	Reduction of 31.6%	Reduction of 25.7%
		Reduction of 3,290 yen	Reduction of 7,686 yen

For example) Simulation of 200sqm application for an amortization within 3~5years

Set the Air conditioning from 8 AM to 6 PM. (10 hours)

※Since the below is a reference value, measurement results will change by air conditioning, electricity charges, and environment.

Application Cost		200sqm application	Electricity fee /kwh	Electricity fee /a year	Reduction of 20%	Initial investment recovery	Reduction of 30%	Initial investment recovery
Japan	8,800 JPY/sqm	1,760,000 JPY	22 JPY	1,445,400 JPY	289,080 JPY	6.1 Year	433,620 JPY	4.1 Year
Thailand (1TBH=3.52JPY)	5,000 JPY/sqm (About 1420THB)	1,000,000 JPY (280,0000THB)	15.0 JPY (4.2THB)	985,500 JPY (280,250THB)	197,100 JPY (56,000THB)	5.1 Year	295,650 JPY (84,000THB)	3.4 Year

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