

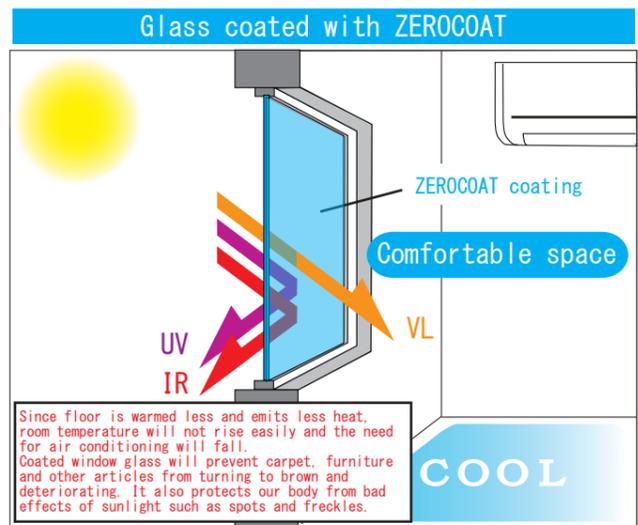
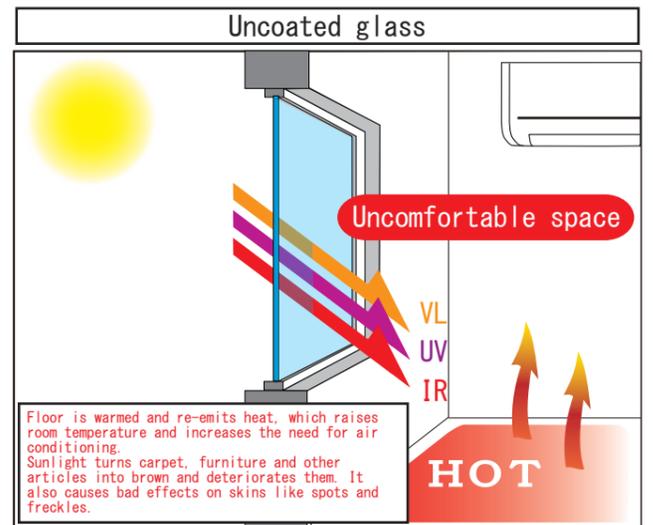


Conserve energy by just applying

Lowering the set temperature of air conditioner by only 1°C can reduce 10% of power consumption. ZEROCOAT applied to window glass can cut over 90% of near-infrared rays which are the heat source. Once the window glass is coated, the temperature near it will fall by 5 to 10°C, resulting in substantial energy saving effect.

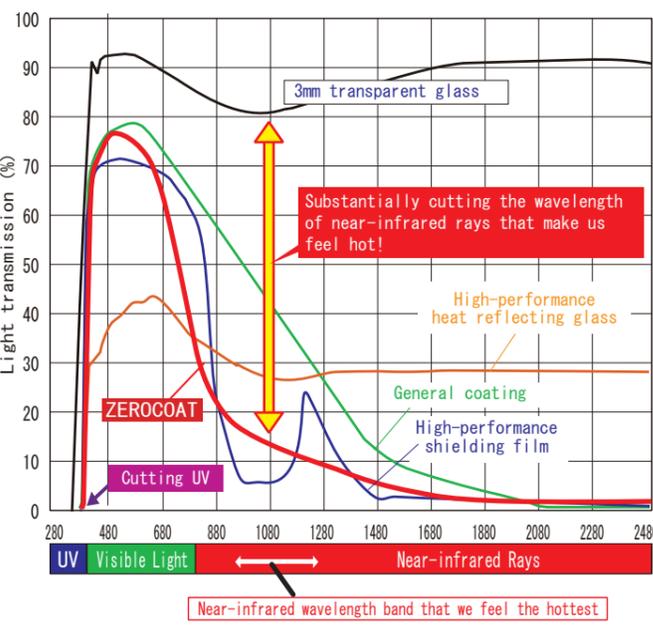
to window glass

Rise of room temperature can be curbed most effectively



High light transmission and excellent shielding ability

While permitting 75% of the wavelength band of visible light to permeate, ZEROCOAT cuts more than 90% of wavelength between 980nm and 1,280nm that gives us the most intense scorching feel among the wavelength bands of near-infrared rays.



	Transmission of visible light	Transmission of sunlight	Absorption of sunlight	Reflection of sunlight	Screening coefficient	Rate of cutting near-infrared rays	Rate of cutting ultraviolet rays
3mm transparent glass	90%	86%	8%	6%	1.0	20%	27%
ZEROCOAT	75%	42%	52%	6%	0.68	90%	99%
General coating	80%	58%	36%	6%	0.81	60%	95%
High-performance shielding film	70%	42%	37%	37%	0.61	90%	99%
High-performance heat reflecting glass	42%	34%	57%	9%	0.60	70%	80%

ZEROCOAT cuts 97% of transmission of harmful UV while permitting light to permeate.

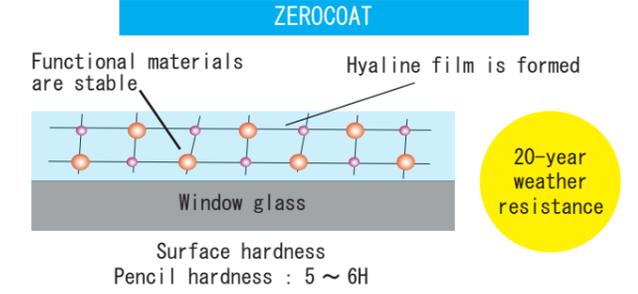
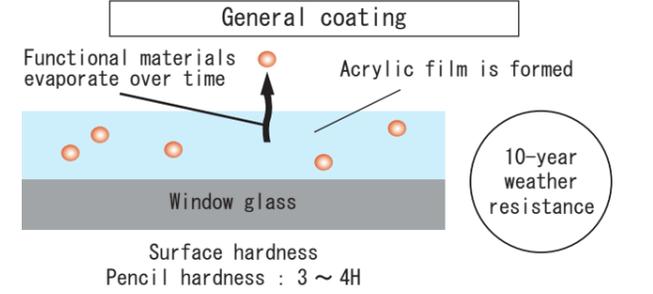
It prevents the browning and deterioration of carpet, furniture, etc. due to UV. Since ZEROCOAT also cuts the UV emitted from room lights during night, it is effective for repelling insects that are drawn to UV.



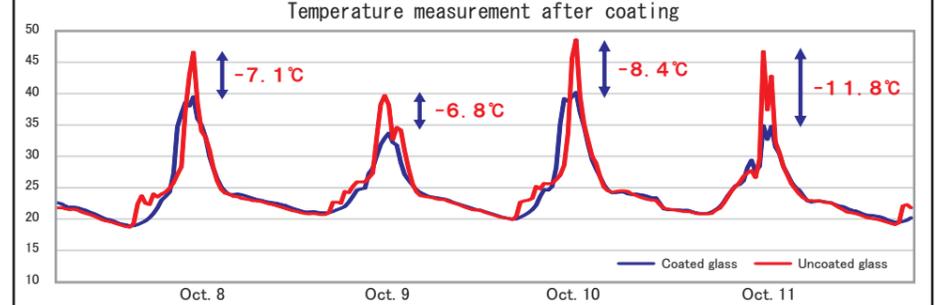
UV cutting effect

High hardness & high weather resistance coating film

ZEROCOAT is a siloxane compound coating film and chemically stable. It forms a hard coat layer with high density and hardness, providing hyaline coating that is highly weather resistant and hard to deteriorate.



Temperature measurement after coating



	Oct. 8	Oct. 9	Oct. 10	Oct. 11
Average temperature	20.9	20.7	20.5	20.4
High temperature	24.2	24.0	23.9	23.7
Weather	Clear	Clear	Clear	Clear
Highest temperature inside room with uncoated glass (A)	46.6	39.7	48.6	46.7
Highest temperature inside room with coated glass (B)	39.5	32.9	40.2	34.9
Temperature difference (B-A)	-7.1	-6.8	-8.4	-11.8



Glass surface coated with ZEROCOAT

○Place of measurement
Restaurant

○Coated glass
Glass of south window

Serving various needs

