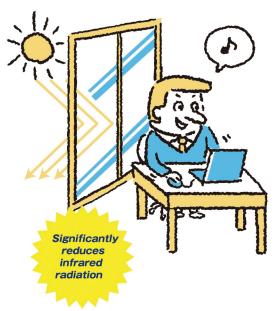
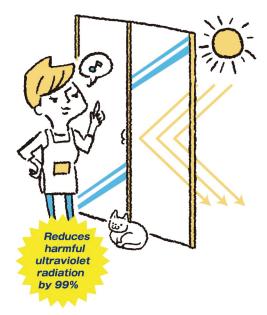
The KIWACAL Infrared Cut Hard-coat Film is a highly transparent, multifunctional film that provides a high thermal effect. The film improves air-conditioning efficiency and supports a comfortable living environment.





Blocks over 65% to 95% of solar-infrared radiation Reduces heat near windows.

Ultraviolet Filter



Reduces harmful ultraviolet radiation by 99%. Mitigates not only adverse effects on the human body, but also discoloration of furniture and carpets.

High Transparency



Visible transmittance of 70% or higher. Supports a clear visual range, both day and night.

Shatter-proof



Prevents glass from shattering in the event of breakage.

Optimal for car windows as well as office windows.

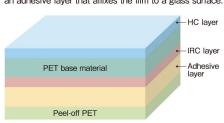
Insect Repellant Effect



Repels mosquitoes, flies, and other pests.

Optimal structure for actualizing heat-reducing and energy-saving measures

The KIWACAL Infrared Cut Hard-coat Film is mainly composed of an HC layer that protects against scratches, an IRC layer that exhibits functionality, and an adhesive layer that affixes the film to a glass surface.

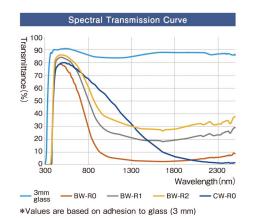


■BW type for higher infrared filtration effect

The KIWACAL Infrared Cut Hard-coat Film BW type has an average infrared-absorption rate of 94% in the near-infrared range (780 nm to 2500 nm). The high-absorbency coating provides a room-temperature retaining effect, in addition to excellent infrared filtration performance.

CW type for superior transparency

The KIWACAL Infrared Cut Hard-coat Film CW type has a visible transmittance of about 80% in the visible light range (380 nm to 780 nm). This film also provides the room-temperature retaining effect of the BW type, and therefore exhibits excellent functionality for use in vehicles as well.



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·Testing environment: 20°C×65%RH
·Base material: Single film
·Heat source: 450 W infrared lamp
·Lamp - base material distance:400mm
·Base material - thermometer distance:185mm

Performance Chart												
	BW- R038	BW- R050	BW- R150	BW- R250	CW- R025	CW- R050						
Thickness (base material thickness)	38 <i>µ</i> m	50μm	50μm	50μm	25μm	50μm						
Total film thickness (excluding detachable PET)	60μm	m 72μm 72μm 72μm		49μm	76µm							
Ultraviolet filtration rate	99%	99%	99%	99%	99%	99%						
Visible transmittance	72%	72%	81%	85%	81%	81%						
Near-infrared filtration rate	94%	94%	82%	65%	73%	73%						
Anti-interference pattern	_	0	0	0	-	0						

