

Functional films for window protection

Overview

Kimoto window films are made of high quality optical materials that make the film invisible when applied on glass. All materials are designed for Interior installation.

“Glasstect” products use a strong adhesive layer to provide shatter protection and contain an integrated UV filter that protects colours from fading, by removing more than 98% of the UV light. Material equipped with a hardcoat layer offers a scratch resistant surface that is easy to clean.

- Glasstect UPi is printable with UV curing inkjet printers for individual decoration
- Glasstect Hi3 offers heat reduction while maintaining high light transmission
- Glasstect 50Li shatter and UV protection
- Glasstect CV prevents fogging of commercial fridge windows

Products

Glasstect UPi	Glasstect Hi3	Glasstect 50Li	Glasstect CV
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Application

Decoration Long term Printable UV filter protects colours of printed design and interior	Heat protection Reduces IR induced heat by 80% Minimal reduction of visible light while maintaining neutral colour	Shatter protection Prevents loose glass pieces in case the window is damaged	Fog prevention Prevents fogging of glass surfaces Ideal for mirrors, windows and refrigerators
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Features

Printable	Thermal barrier		Anti-fog
Shatterproof	Shatterproof	Shatterproof	Shatterproof
UV blocking	UV blocking	UV Blocking	UV blocking
Hard coating	Hard coating	Hard coating	

Structure

Hardcoat / Ink receptive layer	Hardcoat / IR absorbing heat barrier	Hardcoat	Anti fog layer
Base PET film 50 micron	Base PET film 50 micron	Base PET film 50 micron	Base PET film 50 micron
Permanent acrylic adhesive layer 20 micron	Permanent acrylic adhesive layer	Permanent acrylic adhesive layer	Permanent acrylic adhesive layer
Release liner 75 micron	Release liner 25 micron	Release liner 25 micron	Release liner 75 micron

Specifications

Base film	PET 50 micron	PET 50 micron	PET 50 micron	PET 50 micron
Adhesive layer	Permanent acrylic	Permanent acrylic	Permanent acrylic	Permanent acrylic
UV Filter *2	Yes / >99%	Yes / >98%	Yes / >98%	Yes / >99%
IR heat reduction *2	No	Yes / 80%	No	No
Shatterproof *1	Yes	Yes	Yes	Yes
Hard Coating	Yes	Yes	Yes	No
Light transmission *2	90%	77%	90%	90%
Printable	Yes	No	No	No

*1 Provides shatterproof glass performance according to JIS A5759 *2 Values measured with film applied to 3mm glass plate (JIS standard)

All technical data is subject to change