

Crystal 7050

Crystal 7050 is a ceramic film which good provides heat reduction while maintaining nearly invisible clarity. It blocks UV rays, reduces glare, and protects interiors without darkening windows. Unlike metalized films, it won't interfere with signals. Ideal for those who want subtle heat control, energy efficiency, and maximum natural light in homes, offices, or vehicles.

Technical Performance Data

Calculated on 3mm glass

Natural Light & Glare	
VLT (Visible Light Transmission)	81%
Visible Light Reflectance (internal)	18%
Glare Reduction	17%
Solar Energy	
Transmittance	52%
Reflectance	16%
Absorption	32%
TSER (Total Solar Energy Rejected)	38%
Thermal Energy	
Shading Coefficient	0.72
Solar Heat Gain Coefficient	0.63
U-Value - (W/m ² K)	5.8
R-Value - (m ² K/W)	0.17
Ultraviolet & Infrared	
UV Rejection	99%
IR Rejection	51%
Anti-Fade Rating (0 - 100)	67
Manufactured Specifications	
Thickness	50 µm
Structure	2 Ply
Composition	PET
Warranty	10 Years
Colour	Blue
Stock Code	CR7050

Installation Guidelines

Vertical Installation on standard glass surface

Single Pane Glazing	
Clear Standard Glass	✓
Thermally Toughened Safety Glass	✓
PVB / Laminated Glass with correct spacing	✓
Glass Panes Exceeding 2 SQM	✓
Low-E Glass	!
Glass with poor quality edging and spacing	X
Double Pane / Double Glazing	
Clear Double Pane	!
Tinted Double Pane	X
Gas-Filled Double Pane (Low-E)	!
Glass Panes Exceeding 2 SQM	X
PVB / Laminated Glass with correct spacing	X
Thermally Toughened Safety Glass	✓
Glass with poor quality edging and spacing	X
Safety Guideline Symbols	
Safety Guideline Symbols	Symbol
Safe to install	✓
Unsafe to install	X
Caution, will cause thermal stress	!
Safety Performance	
For Internal use only	✓
Peel Strength (gr/inch)	>1800
Signal Interference	0%

Guidelines provided are based on a single glass surface up to 2.5 m² with no single length or width greater than 2 meters.

Product Care & Maintenance:

After installation allow 30 – 60 days to cure. Never try to remove bubbles during the curing process. After curing you may clean the windows with soapy water and non-abrasive cloths or sponges and paper towels. Do not attempt to clean the film with chemicals containing ammonia or abrasives.

