

Nanotechnology Film

Solar Control

Commercial / Residential



Project Name

Spec Type

Notes

## Product Overview

Hüper Optik uses a unique ceramic coating technology to their acrylic film that spectrally selects specific rays to transmit. Because of this the nano-ceramic film is highly efficient in rejecting heat, eliminating harmful UV rays and the damaging glare of the sun, yet maintains the visibility and clarity of the glass. Developed in Germany, this super heat rejection polyester shield is the premiere film in the window tint industry, being 100% dye-free and metal-free.

All Hüper Optik films come with a pure hydrocarbon molecule hardcoat for scratch resistance which acts as a barrier to any minor abrasion that may occur through normal care & cleaning. Hüper Optik film comes in a variety of classic European shades and provide superior durability and energy conservation benefits.

## Specifications

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Product	Hüper Ceramic				Product	Hüper Select	
	30	40	50	60		SECH	DREI
<b>Nano-Ceramic Films</b>							
Visible Light Transmitted	34%	42%	50%	58%	Visible Light Transmitted	59%	35%
Visible Light Reflected	11%	9%	10%	9%	Visible Light Reflected	8%	12%
Shading Coefficient (%)	0.47	0.53	0.59	0.65	Shading Coefficient (%)	0.54	0.36
Total Solar Energy Rejected	61%	55%	49%	42%	Total Solar Energy Rejected	54%	70%
Infrared Light Rejection	85%	80%	68%	60%	Infrared Light Rejection	83%	98%
UV Reflectance	99.9%	99.9%	99.9%	99.9%	UV Reflectance	99.9%	99.9%
<b>Translucent-Selective Films</b>							
Visible Light Transmitted					Visible Light Transmitted	59%	35%
Visible Light Reflected					Visible Light Reflected	8%	12%
Shading Coefficient (%)					Shading Coefficient (%)	0.54	0.36
Total Solar Energy Rejected					Total Solar Energy Rejected	54%	70%
Infrared Light Rejection					Infrared Light Rejection	83%	98%
UV Reflectance					UV Reflectance	99.9%	99.9%

Performance data is based on the film being applied to the inside of 3mm clear glass.  
 All data calculated using the definitions and equations in the ISO9050 & ASHARE Handbook.  
 The data is subject to variations within industry standards.