

# SOLAR FILM - HEAT PROTECTION

The heat resistant adhesive films are the perfect alternative to air conditioning. Fixed on the windows, they reject up to 80% of solar energy and more than 90% of UV radiation and help to maintain the coolness and comfort in your home, even at higher temperatures. Retain the freshness in the living spaces, offering a healthier environment and require no maintenance.

Window Film



The solar protection adhesive film SOL 101 allows overcoming the greenhouse phenomenon effectively. Internal application

**SOL 101**

This film rejects 79% of solar energy and reduces the overheating keeping the external vision. External application

**SOL 102**

Thanks to its micro-dots technology the SOL 148 film is the only one film that keeps out heat in the summer and yet lets the in during the winter

**SOL 148**

Solar film IR 50, perfectly clear returns over 50% of the heat and reduces UV A radiation by 99%. Perfect for windows need to be clear on both sides thanks to nanotechnology used.

**IR 50**



12 to 15 years for inside vertical application in Central Europe. Durability:

	SOL 101	SOL 102	SOL 148	SOL 150	SOL 152	SOL 251	SOL 332	IR 50	UVA 151 anti-décoloration
Support - Material	Polyester 36 microns	Polyester 36 microns	Polyester 36 microns	Polyester 36 microns	Polyester 36 microns	Polyester 36 microns	Polyester 36 microns	Polyester 46 microns	Polyester 36 microns
Adhésif - Adhesive	Acrylique polymère 19gr/m <sup>2</sup>								Acrylique polymère 13gr/m <sup>2</sup>
Couleur - Tint	Réfléchissant argent	Réfléchissant argent	Points aluminium	Semi-réfléchissant gris-bleu	Semi-réfléchissant gris-bleu	Réfléchissant bronze	Réfléchissant gris	Champagne	Léger gris-bleu
Protecteur - Release liner	Polyester 23 microns								
Application - Application	Interne	Externe	Interne	Interne	Externe	Interne	Externe	Interne	Interne
Réflexion énergie solaire Total solar reflection	55%	65%	Été 28% Hiver 22%	27%	43%	37%	29%	41%	9%
Absorption énergie solaire Total solar absorption	33%	24%	30%	22%	36%	31%	51%	52%	15,8%
Transmission énergie solaire Total solar transmission	12%	11%	42%	56%	37%	26%	12%	19%	42%
Transmission lumière visible Visible light transmission	16%	16%	58%	60%	47%	32%	11%	20%	77%
Réflexion lumière visible Visible light reflection	60%	60%	28%	22%	27%	40%	20%	29%	-
Rejet énergie solaire Total solar energy rejected	75%	79%	48%	34%	54%	66%	72%	66%	52,1%
Transmission des UV U.V. transmission	5%	1%	10%	10%	3%	1%	5%	1%	1%
Résistance thermique Thermal resistance						De -20°C à 80°C			
Température d'application Application temperature						Minimum 5°C			
Dimensions - Dimensions				1.52m x 2.50m /	1.52m x 10m /	1.52m x 30m			
Classement au feu Fire performance class						M1			

Prices from 5,20 Eur/ mp

