

# 3M™ Color Stable Sun Control Window Films

## Product Description

**3M™ Color Stable Sun Control Films** consist of their own patented, nano-carbon polyester which is non metalized. This technology allows the films to retain their integrity and never fade to purple. The unique manufacturing process provides for maximum heat rejection while boasting a neutral black colour with low reflectivity. Additionally, the films block almost the entire amount of UVA and UVB rays which are the main cause of fading.

## Application

**3M™ Color Stable Sun Control Films** are intended for use on the inside surface of windows.

The patented nano-carbon polyester technology and manufacturing process guarantees a high quality and an even longer life expectancy compared to other film solutions.

## Key Benefits

- Nano-carbon polyester technology guarantees colour stability
- Protect occupant from uncomfortable heat and glare
- Superior UV protection providing a total Sun Protection Factor (SPF) of over 1000
- Reduce the workload on air conditioners, thereby reducing fuel cost
- Significant reduces glare from blinding sunlight
- Non – metalized, resulting in easy to maintain, long life films

## Solar properties

	Visible Light Transmitted	Visible Light Reflected	Total Solar Energy Rejected	Heat Gain Reduction	UV Rejection	Glare Reduction
Clear Glass (6mm)	89%	8%	19%	NA	38%	NA
CS - 5	9%	5%	57%	47%	99%	90%
CS - 20	19%	5%	51%	39%	99%	79%
CS - 35	39%	5%	40%	27%	99%	56%
CS - 50	52%	5%	35%	20%	99%	42%

### General notes:

All technical data is based on a combination of relevant European test methods and/or US test methods. Before using this product the customer / applicator must ensure the product is suitable to be used for the intended purpose and it will fulfil the local law for automotive windows. If there is any uncertainty, please check with our local 3M Window Film specialist. All issues regarding warranty and liability for the product and the effect of its use are governed in accordance with the provisions of the appropriate contract of sale unless local laws dictate otherwise.



Renewable energy Division  
Window Films  
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## Physical Properties

Thickness CS 20, 35, 50;	0,035 mm / 35µm
Thickness CS 5;	0,045mm / 45µm
Colour:	Black, slightly tinted
Material of the film:	Nano – carbon polyester
Adhesive:	Pressure sensitive acrylic
Top coating:	Abrasion resistant hard coat

## Available Sizes

All Color Stable films are available in the following dimensions;

508mm x 30,5m  
1016mm x 30,5m  
1524mm x 30,5m

## Shelf Life

To ensure the longest shelf life possible be sure to store the film according to the guidelines given in each box. Recommended storage conditions for all films are 21°C and 40 – 50 % relative humidity. Films should be kept in the original packaging and not exposed to heat, light or relative humidity above 50%. When stored according to these recommendations, a shelf life of at least 5 years can be expected.

## Cleaning

**3M Window films** may be cleaned 14 days after installation using ordinary automotive window cleaning agents and avoiding the use of abrasive particles. Do not use rough sponges, cloths or brushes. Synthetic sponges, soft wipes or rubber squeegee cleaners are recommended.

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