

3M™ Sun Control Film Safety Silver S420

Description

3M™ Sun Control Film Safety Silver S420 is designed for use on the inside surface of windows. Unlike other sun control solutions, this film reflects the sun's rays while allowing optical clarity to be maintained. In addition, the film significantly reduces the amount of UVA rays which are the main reason of discolouration.

3M Sun Control Films significantly reduce solar heat gain which helps to create a balanced environment for a building. In summer months the films help to reduce the use of air conditioners therefore reducing energy costs.

3M™ Safety Film Safety Silver S420 This film consists of a clear, single-layer polyester film coated with a special thicker layer of adhesive and metalized layer for sun protection. This system is designed to protect glazing surfaces from damage and to hold broken glass together for improved safety of the glazing and security for the structure.

In addition, the film greatly significantly reduces the amount of UVA rays which are the main reason cause of fading.

3M™ Safety Films provide effective protection from injuries or damage caused by fragments of broken glass. In case of glass breakage the fragments are held together by the adhesive system.

These strong flexible polyester films also help to protect from injuries caused by uncontrolled fragments of broken glass.

Features (on 6 mm clear glass)

Total solar energy reduction:	77 %
G-value:	0.23
Reduction of Glare:	78 %
Reduction of UV rays:	99 %

Structure of the film

Thickness:	0,125 mm / 125µm
Colour:	Silver
Material of the film:	Polyester
Adhesive:	Special Acrylic
Top coating:	Scratch resistant hard coat

Installation

3M Window films are installed using water and a soap solution. Full adhesion is reached after approximately 20 days at 18°C (in dry conditions).

Cleaning

3M Window films may be cleaned 30 days after installation using ordinary 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. Do not clean 3M films dry.

Glass type	Film Type	SC	VLR %	VLT %	Emissivity	u-value	g-value	TSER
Single Pane								
Clear	No Film	0.94	8 %	88 %	0.84	1.06	0.82	18 %
	Silver S420	0.26	51 %	17 %	0.65	0.95	0.22	78 %
Tinted	No Film	0.69	5 %	50 %	0.84	1.06	0.60	40 %
	Silver S420	0.30	20 %	10 %	0.65	0.95	0.26	74 %
Double Pane								
Clear	No Film	0.81	14 %	78 %	0.84	0.50	0.70	30 %
	Silver S420	0.34	51 %	17 %	0.65	0.47	0.30	70 %
Tinted	No Film	0.55	8 %	45 %	0.84	0.50	0.48	52 %
	Silver S420	0.28	20 %	9 %	0.65	0.47	0.24	76 %

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. If there is any uncertainty, please check with your 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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Your local Window Film Dealer:



3M™ Sun Control Window Film

3M™ Sun Control Film Safety Silver S420

- **Excellent solution to reduce solar heat gain**
- **Reduces air conditioning costs**
- **Reduces glare and discomfort**
- **Increases protection from flying or broken glass**
- **Helps preserve the appearance of furniture and fabrics**
- **Has an abrasion resistant surface to maintain a good appearance for longer.**
- **Easy to remove without adhesive residues**