

# 3M™ Safety Film Safety S40

## Description

**3M™ Safety Film Safety S40** is designed for use on the interior surface of windows. It is composed of a transparent and weather stable polyester film, scratch resistant surface and a strong acrylic adhesive. The films high tensile strength and elongation at break increases resistance of the glazing system to impact and pressure. The film also significantly reduces the transmission of UVA and UVB rays which are the main cause of fading.

**3M™ Safety Films** provide an effective protection from injuries to persons or damage to items caused the fragments of broken glass. In the case of glass breakage the fragments are held together by the strong acrylic adhesive.

**3M™ Safety Film S 40 has been tested and approved according to EN 12600 (Pendulum test). It is classed as 2B2 on 6 mm float glass and 3B3 on 3 mm float glass.**

### Features (on 6 mm clear glass)

Glare reduction: 5 %  
 UV rays blocked: 98 %  
 Rated Class A fire resistant according to ASTM E84.

### Film properties

Thickness: 0.100 mm/ 100 µm  
 Colour: Clear  
 Material: Polyester  
 Adhesive: Pressure sensitive acrylic  
 Top coating: Scratch resistant hard coat

### Installation

**3M Window films** are installed using a water and 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.

Glass type	Film Type	Visible Light Transmitted %	Visible Light Reflected Interior %	Tensile Strength ASTM D882-95a	Elongation at break ASTM D882-95a	Break strength ASTM D882-95a	Tear Resistance ASTM D 1938-02	
<b>Single Pane</b>				N/ 25,4 mm	N/25,4 mm	N/25,4mm		
Clear	No Film <b>Safety S40</b>	89 <b>87</b>	9 <b>8</b>	<b>197 N/mm<sup>2</sup></b>	<b>100 %</b>	<b>45 kg</b>	<b>0,95 kg</b>	
Tinted	No Film <b>Safety S40</b>	53 <b>47</b>	6 <b>6</b>	<b>197 N/mm<sup>2</sup></b>	<b>100 %</b>	<b>45 kg</b>	<b>0,95 kg</b>	
<b>Double Pane</b>								
Clear	No Film <b>Safety S40</b>	79 <b>77</b>	15 <b>15</b>	<b>197 N/mm<sup>2</sup></b>	<b>100 %</b>	<b>45 kg</b>	<b>0,95 kg</b>	
Tinted	No Film <b>Safety S40</b>	47 <b>45</b>	13 <b>14</b>	<b>197 N/mm<sup>2</sup></b>	<b>100 %</b>	<b>45 kg</b>	<b>0,95 kg</b>	

#### General notes:

All **3M Safety films** have been tested to EN12600 and/or EN356 as appropriate. For detailed information and relevant certification for any specific project, please contact your local 3M specialist.

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



Renewable energy Division  
 Window Films  
[www.3M.com/windowfilms](http://www.3M.com/windowfilms)

Your local Window Film Dealer:



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.

## 3M™ Safety Film

### Safety S40

- Increases protection from flying or broken glass.
- Deters smash and grab burglaries.
- Reduces fading from UV light.
- Helps preserve the appearance of furniture and fabrics.
- Has an abrasion resistant surface to maintain a good appearance for longer.