

3M Commercial Graphics

3M™ Scotchcal™ Perforated Window Graphic Film 8173

3M™ Scotchcal™ Perforated Window Graphic Film 8176-114



3M Window Films for see-through

advertising graphics

Product range includes: 8173, 8173 for UV,
8176-114, 8176 for UV

- Easily and quickly bonded
- Complete decoration of windows
- Interior lining reduces vandalism

3M

3M™ Scotchcal™ 8173, 3M™ Scotchcal™ 8173 for UV 3M™ Scotchcal™ 8176-114, 3M™ Scotchcal™ 8176 for UV

3M special films to see-through advertising graphics

3M has developed a new range of perforated special films for interior and exterior use, for creating brilliant graphics on windows, glass surfaces, etc. These are used for decorating windows on buses and trains, for application on buildings, for example shop windows, cinema entrances, restaurants, or even for large-scale advertising on building facades or glass walls. The film in series 3M™ Scotchcal™ 8173 for UV has a perforated liner and is backed with a transparent protective film. This film is a premium product and is used for medium to long-term application as an advertising graphic or for window design.

SC 8173 and series SC 8173 for UV are designed for both interior and exterior use. 3M offers two films in SC 8176-114 and SC 8176 for UV specifically for interior use.

The interior lining reduces vandalism, and the films can be bonded easily and quickly irrespective of weather conditions. Both 8176-114 and film 8176 for UV have a functional durability of up to 5 years.

Perforated window films

	SC 8173	SC 8173 for UV	SC 8176-114	SC 8176 for UV
Product characteristics				
Area of application	Exterior		Interior	
Product description	Perforated film for complete decoration of windows. The graphic is applied to shop windows or windows of buses, trains or buildings, without restricting the exterior view from the inside.		Perforated window film for see-through graphics. Complete decoration of windows which show the graphic on one side and allow you to see through from the other side.	
Product advantage	Printable in screen and digital printing, PIJ with solvent-based inks. For application to vehicle windows in accordance with STVZO § 22a, design certification D5342	Liner is perforated and the back has a transparent film (the ink does not run onto the printer)	The interior lining reduces vandalism. Easy bonding e.g. to high-rise buildings, in any weather conditions.	Liner is perforated and the back has a transparent film (the ink does not run onto the printer). The interior lining reduces vandalism. Easy bonding in any weather conditions.
Suitable surfaces	Flat surfaces like glass, acrylic, polycarbonate, painted metals between car windows			
Functional durability (unprinted)	Outside: up to 2 years Inside: up to 5 years		Internal windows: 5 years	
Designs in standard range	SC 8173 for screen and digital printing with solvent-based inks	SC 8173 for UV printing	SC 8176-114 for PIJ solvent printing	SC 8176 for UV printing
Warranty	Yes, 3M™ MCS™ warranty		Yes	Yes, 3M™ MCS™ warranty
Colours	White, rear side black		Transparent film, printed mirror-inverted, then a white and a black layer are printed on using screen printing.	
Bonding temperature	+12°C - + 38° C			
Adhesive	Transparent, removable, pressure-sensitive		Transparent, removable, pressure-sensitive	
Removability	Yes, up to 1 year from glass, acrylic, polycarbonate	Yes	Yes, up to 2 years from glass, acrylic, polycarbonate	Yes

Product data				
Suitable production processes	Screen printing, piezo inkjet printing	Piezo inkjet printing, printable with UV inks	Customers must have piezo inkjet printing and screen printing (J 40 profiles recommended)	Piezo inkjet printing, printable with UV inks
Film material	PVC			
Film manufacture	Polymeric calendered			
Laminate	3M™ Scotchcal™ Window Graphics protective laminate 8914i		No laminate required	
Perforation proportion	50%		40%	
Compatible 3M screen printing colours	3M™ screen printing colours 1900, 9800 UV	3M™ screen printing colours 1900, 9800 UV	3M™ screen printing colour 1900	
Inks	3M™ piezo inkjet ink series 1500 and series 600	3M™ piezo inkjet Colours 2700 UV on Rho 160R 2800 UV on Vutek QS3200	1900, 9800 UV, piezo inkjet inks series 1500 for Ultra Vu 2360, 3360 and 150	2700 UV on Rho 160R 2800 UV on Vutek QS3200



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