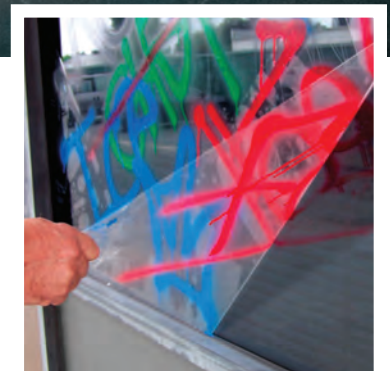
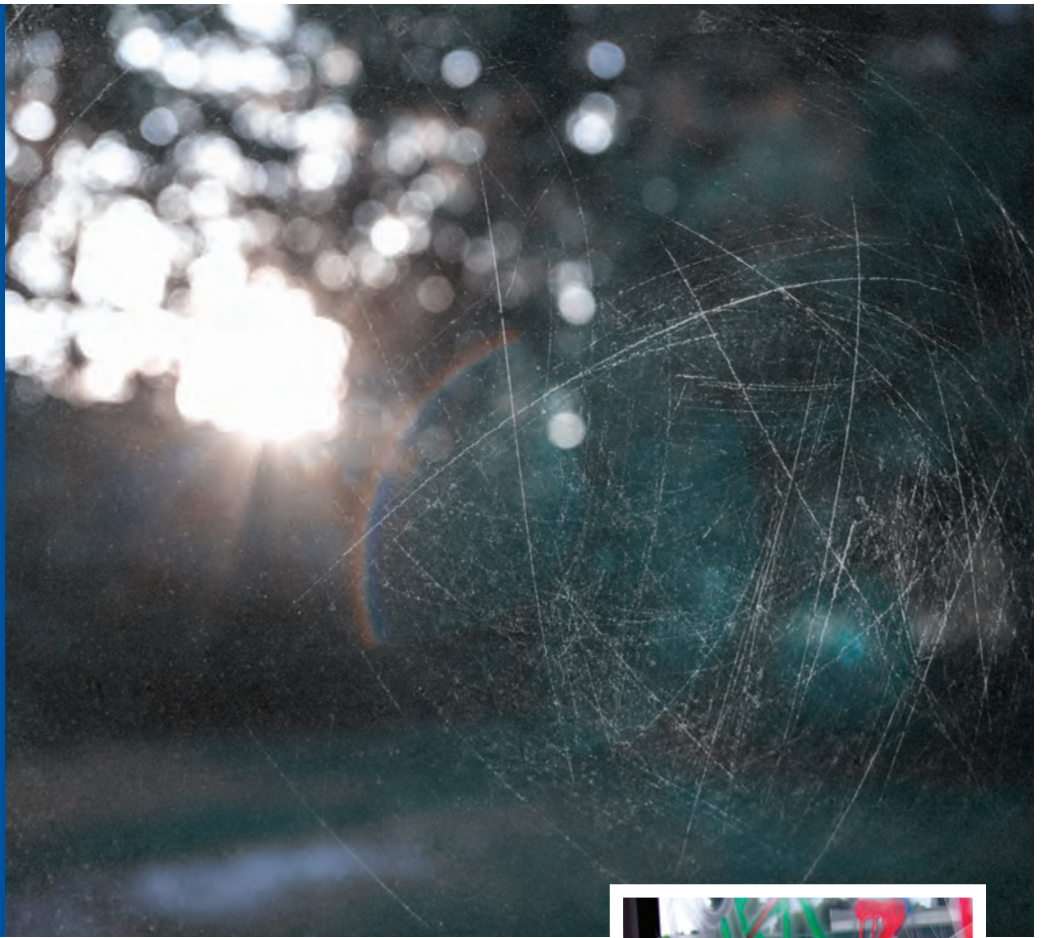


DEFENDOR®

CLEAR ANTI-GRAFFITI FILMS

A clear solution to costly vandalism

Defendor offers an optically clear protection for glass, metal and other nonporous surfaces. It is easy to remove and replace, giving homeowners and property managers a cost-effective and time-saving solution. Defendor's durable, scratch-resistant coating helps maintain a clear, abrasion-free view. The film can be easily cleaned with window film-safe household cleaning products. By rejecting 98% or more of the sun's damaging UV rays, it effectively reduces the amount of fading that can occur with interior furnishings, carpets, wood floors, artwork and valuables.



CLEAR PROTECTION



EASY PEEL & REPLACE



INCREASES SAFETY



REDUCES FADING

Take control

Don't let vandalism affect your life, home or business. Protect your property with Defendor anti-graffiti films.

- Available in AG04 and AG06 products with a unique 2-ply composition, which allows for quicker dry-out time and easier removal.
- One layer acts as a protectant for the other, which allows for the introduction of an added UV inhibitor.

Benefits of Defendor Anti-Graffiti Films

- Clear Protection from Scratches and Spray Paint
- Easy Installation and Removal
- Retains Broken Glass
- Cost-Effective Solution to Glass Replacement
- 99% UV Rejection Helps Reduce Fading of Merchandise
- A Variety of Applications



Johnson Window Films
www.johnsonwindowfilms.com



A Variety of Applications

- Windows
- Bathrooms
- Glass Display Cases
- Road Signs
- Elevators
- Escalators
- Bus Shelters
- Glass Sneeze Guards
- Phone & Ticket Booths
- Public Transportation
- Kiosks
- ATM
- Gas Station Pumps
- Mirrors



PHYSICAL PROPERTIES								PSI=Pounds per square inch PLI=Pounds per lineal inch (width) MD=Machine Direction TD=Transverse direction																	
ASTM D 882 TENSILE STRENGTH																									
FILM TYPE	TENSILE STRENGTH		BREAK STRENGTH		ELONGATION AT BREAK		D 3330 PEEL STRENGTH																		
	MD	TD	MD	TD	MD	TD																			
	PSI	PSI	PLI	PLI	%	%																			
AG 04	19,000	25,000	84	104	92%	44%	>5 lbs/in	BASE FILM DATA Tensile Strength <table border="1" style="margin-top: 10px;"> <tr><th>MD</th><th>TD</th></tr> <tr><td>PSI</td><td>PSI</td></tr> <tr><td>2 MIL</td><td>27,500 31,000</td></tr> <tr><td>3 MIL</td><td>27,000 30,000</td></tr> </table> Break Strength <table border="1" style="margin-top: 10px;"> <tr><th>MD</th><th>TD</th></tr> <tr><td>PLI</td><td>PLI</td></tr> <tr><td>2 MIL</td><td>55 62</td></tr> <tr><td>3 MIL</td><td>81 90</td></tr> </table>		MD	TD	PSI	PSI	2 MIL	27,500 31,000	3 MIL	27,000 30,000	MD	TD	PLI	PLI	2 MIL	55 62	3 MIL	81 90
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AG 06	18,500	22,500	117	141	108%	53%	>5 lbs/in																		
<p>Reported values are typical properties and should not be used as a specification. Only the user is aware of the conditions in which the product will be used, it is the users responsibility to determine if the product is suitable for use. If the specific conditions of use are critically dependent on any properties or if you need further information contact your Johnson Window Films dealer.</p>																									
<p>TENSILE STRENGTH (PSI) The tensile strength of a material is the maximum amount of stress that it can take before failure, such as breaking or permanent deformation. It is calculated by dividing the maximum load by the original minimum cross sectional area of the specimen. Calculated up from break strength.</p>					<p>BREAK STRENGTH (LBS/IN WIDTH) Break strength is that force which is required to break the specimen. The appropriate reporting unit for this test is pounds per lineal inch. Used to determine tensile strength.</p>																				
<p>ELONGATION AT BREAK Presented as a percentage in relation to the initial length before elongation. It is calculated by dividing the extension at the moment of rupture in the specimen multiplied by 100. It represents the amount of stretch exhibited by the sample prior to the failure point.</p>																									

Ease of Use

Replacing film that has been etched is easy and a fraction of the cost of replacing damaged glass. Defendor's ultra-thick construction actually protects glass and metal surfaces from keying and etching vandalism.

- An invisible coat of protection
- Easy peel and replace
- Increases safety
- Reduces interior fading



Johnson Window Films
www.johnsonwindowfilms.com

Manufactured by Johnson Laminating & Coating, Inc.
 An ISO 9001:2015 Certified Company