

Specialties: Window Film Security WFS – AS 175

GENERAL INTRODUCTION

PRODUCT DESCRIPTION

TYPICAL APPLICATION

RESISTANCE

SHELF LIFE

ADDITIONAL INFORMATION

Specialties

-is a range of high technology self-adhesive products, developed for specific industrial applications, particularly in the medical, optical or security fields, etc.

WFS AS175 is a 175 μ high gloss polyester film coated on one side with a clear solvent based pure acrylic adhesive. The adhesive is protected by a milky polyester release liner that provides complete visual inspection of the product, easy liner removal and a distortion-free adhesive surface.

WFS AS175 does not influence the pH level of the substrate to which it is applied.

Acts as an invisible barrier when applied to glass against the effects of glass damage and injury when shattered as a result of vandalism, break-ins, etc.

Transforms regular glass into safety, shatter-resistant glass.

WFS – AS175 has been tested accordingly to the European Norm EN12600 (pendular test) standard for safety and complies to the classification requirement 1B1.

WFS – AS175 applied onto the interior of the window filtrates more than 99% of the UV light. Please consult with MACtac for more information concerning the UV wave length filtration.

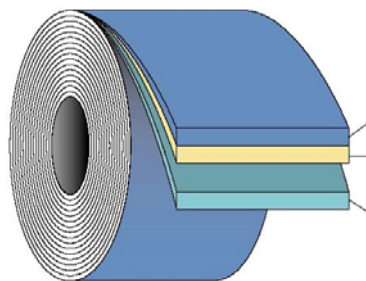
Resistant to water and detergents. Also resistant to most diluted acids and alkalis.

Not affected by short contact with most of aliphatic and aromatic hydrocarbons, ketones, esters, chlorinated hydrocarbons and alcohol. *For further technical advice, please consult with MACtac.*

2 years when stored at 15 to 25°C and \pm 50 % relative humidity.

Contains more than 0.1% (w/w) of Bis (2-ethyl(hexyl)phthalate) (DEHP) CAS number 117-81-7. You can find more information on this substance on

<http://www.dehp-facts.com/>



175 μ High gloss PET film
Solvent based pure acrylic adhesive
Milky PET release liner



ADHESIVE DATA

	TYPICAL VALUES (*)	TEST METHOD
Peel 180° on glass (N/25 mm)		
- after 20 minutes	7	FTM 1 (ASTM D 903-49)
- after 24 hours	10	
Quick tack on glass (N/25mm)	16	FTM 9
Shear on glass (hours) 1kg – 25 mm x 25 mm	500	FTM 8

TEMPERATURE RESISTANCE

Minimum application temperature	+5°C to + 40°C
End-use temperature range	- 30°C to + 100°C

For temperatures outside those quoted above, please consult with MACtac.

RELEASE LINER

Milky polyester 50 gr/sqm of 36 µ	ISO 536
195 µ	ISO 534

THICKNESS (Film + Adhesive)

MAINTENANCE

It is advised to :

1. Use any normal glass cleaning solution which contains no abrasive materials.
2. Use a soft clean cloth or clean synthetic sponge for cleaning the window.
3. Use a soft dry cloth or squeegee for drying the window.

For advise on installation, please consult MACtac « WFS AS 100 & 175 - Instructions for installation. »

DURABILITY

The WFS professionally applied carries a 10 year manufacturer's warranty when applied internally. Please fill in the « **Window Films Security - Product Warranty** » and return it to MACtac Europe. *The durability of the anti-scratch coating can however be influenced by frequent and/or improper method of cleaning.*

CAUTION

1/ Safety films installed as part of a safety glazing assembly **should** be applied in a continuous, uninterrupted sheet over the entire glass substrate surface with NO splices.

2/ If you are in any doubt as to the suitability of the product for a particular application, please check with **MACtac's** technical marketing department.

(*) Values given are typical and are not necessarily for use in specifications.

IMPORTANT NOTICE

All MACtac products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning MACtac products are based upon research which the Company believes to be reliable but such information do not constitute a warranty. Because of the variety of possible uses for MACtac products and the continuing development of new uses, the purchaser should carefully consider the fitness and performance of the product for each intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product or for incidental or consequential damages. All specifications are subject to change without prior notice.

