



# PERFORMANCE GUIDE

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Approved by J. S.

## **PRODUCT: MACmark<sup>®</sup> Glass Décor 700**

### **PRODUCT DESCRIPTION:**

MACal Glass Décor 700 series films are translucent vinyl films with white ‘dusted’ and ‘frosted’ finishes and five translucent “frosted” colors for decoration of glass windows, mirrors or doors for an etched, frosted or sandblasted look. The face is a **translucent matte** 3-mil cadmium-free vinyl. The film is coated with a durable permanent acrylic adhesive with excellent wet out characteristics for clarity. An 83# white kraft liner offers stability and layflat. The product has good dimensional stability and is designed for excellent cutting and weedability.

<b><u>PHYSICAL PROPERTIES:</u></b>	<b><u>TYPICAL VALUES*</u></b>		<b><u>TEST METHOD</u></b>
<b>Thickness, inches (µm)</b> Film plus adhesive	0.0045 (115)		ASTM D-45
<b>Peel Adhesion, lb./in. (N/25mm)</b> 180° on Stainless Steel - 30 min.	3.2	(14)	ASTM D-903
- 24 hours	3.9	(17)	
- 1 wk.	4.3	(19)	
<b>Face Material Data, 68°F (20°C)</b> Tensile strength lb./in. (N/15 mm)	≥10	(28)	DIN 53455
Elongation % at break	≥180		
<b>Dimensional Stability (shrinkage), %</b> 48 hours @ 158°F (70°C)	<0.1		FTM- 14 10” x10” Sample mounted to aluminum
<b>Temperature Ranges,</b> Application:	50° to 104°F (10° to 40°C)		
End Use:	-40° to 194°F (-40° to 90°C)		
<b>Flammability</b>	Self extinguishing		ISO 3795

### **TYPICAL USES:**

Glass Décor 700 are design films suited for interior glass surfaces like glass partition walls or interior windows.

### **DURABILITY:**

The outdoor durability of this film is: Indoor and up to 5 years outdoors durability. This use-life estimate is based upon accelerated age studies. Please note that exposure to severe temperatures, ultra-violet light and also tropical, sub-tropical or desert regions will cause more rapid deterioration. This also applies to polluted areas, high altitude and south facing exposure.

### **SHELF LIFE:**

Two years when stored at 75°F (24°C) and 50% relative humidity or less.

## **CHEMICAL RESISTANCE:**

This product is resistant to most oils and greases, gasoline (fuels), aliphatic solvents, weak acids and alkalis.

## **APPLICATION:**

- 1) Application of Glass Décor 700 series films is made easier if **MACtransfer**<sup>®</sup> application tape is used. MACtransfer 210 for medium to large graphics and MACtransfer 220 for small letters and fine lines.
  - 2) This product can be applied with the wet method.
  - 3) **Cleaning Window Films:**
    - a. Use a clean, soft, lint-free cloth.
    - b. Use off the shelf glass cleaner (Windex, Glass Plus, etc.).
    - c. Spray the cleaner onto the cloth, **not** onto the image.
    - d. Wipe down the image with the wet (do not over saturate) cloth.
    - e. Immediately dry with a clean soft dry cloth.
    - f. If the edges of the image are not sealed, take care not to introduce cleaner to the adhesive as over time edge lifting will occur.
    - g. MACal Glass Décor 700 series films can be screen-printed. Contact screen ink suppliers for advice on suitable inks
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- 1) **The user is responsible for determining the product's suitability, including adhesion and if needed, removal characteristics when used in applications other than listed specifically in this Performance Guide.**
  - 2) **If there are any questions about applications, please contact your MACtac sales representative to discuss your requirements for recommendations.**
  - 3) **If this is a printed Performance Guide it is an uncontrolled document. Please check the MACtac website for the latest, most up-to-date version.**

*\* Values given are typical and are not necessarily for use in specification.*

**CALL 1-800-401-5005 for additional product information**

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