



# PERFORMANCE GUIDE

www.MACTac.com

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Approved by J. S.

## ColorTrans

**PRODUCT:** CT2200 Permanent / Removable Mounting Film

### PERMACOLOR®

The **Permacolor** system is a series of pressure sensitive products for mounting and protecting in the imaging industries. Pressure sensitive **Permacolor** provides fast, efficient processing through cold roll lamination techniques without the need for heat, drying or messy coating operations.

### PRODUCT DESCRIPTION

**ColorTrans CT2200** is an economical, 2-mil clear polyester film coated on one side with a **Permanent** clear acrylic pressure sensitive adhesive and on the other side with a **Removable** clear acrylic pressure sensitive adhesive. The removable side is wound out for ease of application. A polyester release liner that protects each side permits complete visual inspection of the product, easy liner removal and a distortion-free adhesive surface.

This optically clear, two-side coated film was designed for face-mounting and back-mounting transparencies to glass windows, Plexiglas® and other clear or transparent substrates for both indoor and outdoor applications. **CT2200** helps protect mounted images from fading caused by ultra-violet (UV) light exposure.

Although designed primarily for mounting photographic transparencies for backlit applications, **CT2200** can be used wherever superior clarity and smoothness are required.

### PHYSICAL PROPERTIES

### TYPICAL VALUES\*

### TEST METHOD

<u>PHYSICAL PROPERTIES</u>	<u>TYPICAL VALUES*</u>		<u>TEST METHOD</u>
<b>Thickness</b> , inches (µm)			ASTM D-645
Carrier plus adhesive	0.0037 (94)		
Total product	0.0067 (170)		
	<b><u>Permanent</u></b>	<b><u>Removable</u></b>	
<b>Quick Tack</b> , lb./in. <sup>2</sup> (N/25 mm)			MACTac CTM-25
Stainless Steel	2.8 (12.3)	2.5 (11)	
<b>Peel</b> , lb./inch (N/25 mm)			PSTC - 3
Stainless Steel - 30 minutes	4.0 (17.5)	1.2 (5.2)	
Stainless Steel – 24 hours	5.2 (22.7)	1.6 (7.0)	
<b>Shear</b> , Hours to Fail			
Stainless Steel	100+	24+	PSTC - 7
<b>Temperature Range Guidelines</b>			
Application:	50° to 120°F (10° - 49°C) for best results.		
End Use:	-40° to 185°F (-40° to 85°C)		

- 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.**

### **REMOVABILITY:**

This product has 6 month removability after application from glass, Plexiglas and acrylic sheeting. The removability of CT2200 may be affected by the following substrates: polystyrene, nitrocellulose painted surfaces and soft PVC. With such substrates an increase of adhesion over time may occur and adhesive residue on removal may be noticed.

### **GENERAL COMMENTS**

- Where exposure to chemicals, solvents or high pressure wash is anticipated, MACtac recommends sealing the edges with varnish, silicone or other sealant to prevent penetration by these liquids.
- Prints should not be applied onto dusty, dirty, oily or oxidized surfaces.
- The mounting board must be properly prepared prior to mounting the image. This may include wiping with alcohol, light sanding or surface sealing depending on the board. Contact your board supplier for their recommendation.
- MACtac's pressure sensitive mounting films are intended for "Cold Roll Lamination" (50°F - 120°F). The addition of heat while simultaneous mounting with Thermal Overlaminates may result in curl or have other detrimental effects on the finished product.
- Whenever possible, always test first to ensure end-use suitability.
- When using **CT2200** on polycarbonate, polystyrene, polymethyl-methacrylate substrates, we recommend conducting compatibility tests in normal use conditions. These types of panels tend to outgas when exposed to elevated temperatures, creating bubbles and/or tunnels between the panels and the mounting film. Conditioning these panels overnight in a controlled room above 60°C before mounting helps minimize this effect.

### **SHELF LIFE**

Two years when stored at 75°F (24°C) and 50% relative humidity or less. Note: MACtac recommends that rolls be stored on end or suspended from the core.

- *Values given are typical and are not necessarily for use in specification.*
- *Product reinforced with 2-mil polyester during adhesion tests.*

® Permacolor is a registered trademark of Morgan Adhesives Company.

® Plexiglas is a registered trademark of Rohm and Haas.

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

**IMPORTANT NOTICE:** The information given and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

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