



# PERFORMANCE GUIDE

www.MACTac.com

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Approved by J. S.

## ColorTrans

**PRODUCT: CT2100**

### 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 CT2100** is an economical, thin, clear polyester film coated on both sides with a clear acrylic pressure sensitive adhesive. 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 Plexiglas® and other clear or transparent substrates for both indoor and outdoor applications. **CT2100** helps protect mounted images from fading caused by ultra-violet (UV) light exposure.

Although designed primarily for mounting photographic transparencies for backlit applications, **CT2100** can be used wherever superior clarity and smoothness are required.

<u>PHYSICAL PROPERTIES</u>	<u>TYPICAL VALUES*</u>	<u>TEST METHOD</u>
<b>Thickness, inches (µm)</b>		ASTM D-645
Carrier plus adhesive	0.0035 (90)	
Total product	0.0065 (166)	
<b>Quick Tack, lb./in.<sup>2</sup> (N/25 mm)</b>		MACTac CTM-25
Stainless Steel	4.5 (20)	
<b>Peel, lb./inch (N/25 mm)</b>		PSTC - 3
Stainless Steel - 30 minutes	3.2 (14)	
<b>Shear, Hours to Fail</b>		PSTC - 7
Stainless Steel	120	
<b>White Light Transmission, %</b>	98	MACTac CTM -67
<b>Index of Refraction</b>		Abbe Refractometer
Machine direction	1.54	
Cross machine direction	1.55	
Thickness	1.49	
<b>Temperature Range Guidelines</b>		
Application:	50° to 120°F (10° - 49°C) for best results.	
End Use:	-20° to 200°F (-29° to 93°C)	
<b>Adhesive pH</b>	Neutral	TAPPI-529

## 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.

## 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**

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Regional Phone Numbers:  
North East: 1-800-257-8226  
South East: 1-800-537-4606

Midwest: 1-800-736-7636  
West: 1-800-252-7767  
Mexico: 011-52-55-47-77-19-00

[www.SourceOneOnline.com](http://www.SourceOneOnline.com)  
[custserv@SourceOneOnline.com](mailto:custserv@SourceOneOnline.com)