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Approved by J. S.

Delicate product “HANDLE WITH CARE”!

Product

ColorTrans 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

Property	Typical Values		Test Method
Thickness in inches			ASTM D-645
Carrier plus adhesive	0.0037 (94)		
Total product	0.0067 (170)		
Quick Tack lb./in.² (N/25 mm)			Mactac CTM-25
Stainless Steel	<u>Permanent</u>	<u>Removable</u>	
	2.8 (12.3)	2.5 (11)	
Peel 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)	
Shear Hours to Fail			PSTC - 7
Stainless Steel	100+	24+	
Temperature Ranges			
Application for best results:	50° to 120°F (10° - 49°C)		
End Use:	-40° to 185°F (-40° to 85°C)		

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.

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.

Limitations

- 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.**

General Comments

1. This product is an optically clear, two sided face (2nd surface) mounting film is a delicate roll **it must be handled with care**. Because it is an optically clear adhesive, poor handling such as bumps, bangs, smacks, rolling across tables, etc. can cause bad artifacts like wrinkles, adhesive distortions, release liner tunneling and telescoping rolls to happen.
 2. 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.
 3. Prints should not be applied onto dusty, dirty, oily or oxidized surfaces.
 4. 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.
 5. 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.
 6. When applying to a glass window in the field use the wet-application technique. Use a wet application fluid or a small amount of baby shampoo in water.
 7. Whenever possible, always test first to ensure end-use suitability.
 8. 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.
- *Values given are typical and are not necessarily for use in specification.*
 - *Product reinforced with 2-mil polyester during adhesion tests.*



www.digitalcolorink.com
877-616-8600
Baltimore, MD | Charlotte, NC

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