



PERFORMANCE GUIDE

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Version #4 (0314)
Approved by J. S.

PRODUCT: CB1088R **wallCHALKER™**
Specialty Removable Chalkboard Vinyl

PRODUCT DESCRIPTION:

CB1088R is a unique intermediate film designed specifically for chalkboard applications. The face is a textured matte black, 4.7 mil, and cadmium free semi-rigid vinyl. It is coated with a unique moderately aggressive removable acrylic adhesive, which can be applied at temperatures down to 32° F and yet, is cleanly removable from most common surfaces for up to 2 years. The liner is an 83# white kraft offering stability and layflat. CB1088R has excellent dimensional stability.

CB1088R can be plotter cut, however due to it being thicker and tougher than most vinyl films, extra pressure and sharp blades will be necessary.

<u>PHYSICAL PROPERTIES:</u>	<u>TYPICAL VALUES*</u>	<u>TEST METHOD</u>
Thickness, inches (µm) Film plus adhesive	0.0055 (140)	ISO 534
Peel Adhesion, lb. /in. (N/25 mm)		FTM -1
180° on Stainless Steel - 30 min.	0.91 (4.0)	
- 24 hr.	1.16 (5.1)	
180° on Glass - 30 min.	0.91 (4.0)	
- 24 hr.	1.23 (5.4)	
Quick Tack on stainless Steel	1.62 (7.1)	FTM-9
on Glass	1.62 (7.1)	
Dimensional Stability (shrinkage), %	< 0.10	48 hours @ 158°F (70°C) bonded to Aluminum
Temperature Ranges,		
Application:	32° to 104°F (0° to 40°C)	
End Use:	-40° to 158°F (-40° to 70°C)	
Flammability	Self-extinguishing	ISO 3795

DURABILITY:

Indoors for up to 5 years or more and outdoors for 4 years. 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.

Approved Print Methods:

Screen Printing:		HP Indigo	<input type="checkbox"/>
UV Cured	<input checked="" type="checkbox"/>	Off-set	<input type="checkbox"/>
Solvent	<input type="checkbox"/>	Off-set UV	<input type="checkbox"/>
Digital: UV Inkjet	<input checked="" type="checkbox"/>	Thermal Transfer	<input type="checkbox"/>
Eco-solvent	<input type="checkbox"/>	Flexographic	<input type="checkbox"/>
True solvent	<input type="checkbox"/>	Laser	<input type="checkbox"/>
Latex	<input checked="" type="checkbox"/>	Jetrion	<input type="checkbox"/>

SHELF LIFE:

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

APPLICATION TO INTERIOR WALLS (Reference TA2500 for completed details):

Drywall is an extremely porous surface and sealing it up is difficult yet critical for graphic applications. Some drywall and painted surfaces can result in poor adhesion for a wide variety of reasons. Including:

- a. Highly textured surfaces
 - b. Matte, high gloss and scrub-able paints
 - c. Highly pigmented paints (dark colors)
 - d. Newly painted surfaces
 - e. High humidity areas or moisture behind the drywall.
 - f. New drywall (anything less than one year old is considered new) does a lot of moving as the new building settles.
 - g. New drywall will shrink due to the relatively high moisture content in new drywall, which may result in lifting graphics.
 - h. New drywall will outgas as it dries out which may result in bubbles or blisters forming under the graphic.
 - i. Different paints require different cure times. Heavily pigmented paints take significantly longer time to cure. Environmental conditions can speed up or retard cure times. Graphics applied to uncured paint may fail. **Consult with your paint manufacturer** for the proper primer and paint to use and their respective cure time.
 - j. Even with the best of conditions some jobs may require touch ups.
 - k. For these reasons, there is no guarantee for Pressure Sensitive graphics in drywall applications.
- 1) This product behaves like a chalkboard. For best results use the following recommendations:
- a. Like chalkboards of old, 'prime' your WallCHALKER™ prior to use. Simply cover the writing area with 100% regular chalk, let sit a few minutes and then erase. You are now ready for an easy to write on and easy to erase surface for a very long time!
 - b. Once primed, you can use standard chalk or liquid chalk markers to create your designs.
 - c. If using regular chalk, use an eraser even a MACtac felt squeegee will do.
 - d. If using liquid chalk simply wipe clean with a damp cloth or spray with water, let sit for 30 seconds and then using a damp cloth wipe clean.
 - e. Do not use strong indoor wall cleaners like Fantastic®, Windex®, Clorox® wipes, or anything containing mild to strong solvents, ammonia or an abrasive.

LIMITATIONS: Due to the wide variability of interior walls, sealants and paints, no claims for successful applications to or removal from painted wall surfaces are made by MACtac. It is the users' responsibility to determine the products suitability for the intended wall.

- 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

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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