

www.Mactac.com

Version #9 (0518)
Approved by J. S.

Product



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.

Typical Applications

- Shopping mall promotions
- Grocery store displays
- Children's bedrooms
- Restaurant menu boards

Physical Properties

Property	Typical Values	Test Method
Thickness in inches	0.0055 (140)	ISO 534
Peel Adhesion		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		FTM-9
on stainless Steel	1.62 (7.1)	
on Glass	1.62 (7.1)	
Dimensional Stability (shrinkage) in Percent	< 0.10 (70 ° C) Bonded to Aluminum	48 hours @ 158°F
Temperature Ranges		
Application:	32° to 104°F (0° to 40°C)	
End Use:	-40° to 158°F (-40° to 70°C)	

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Surface Burning Characteristics Meets ANSI, NFPA, and IFC	Class A	ASTM E84-01 or ANSI/NFPA 255 or IFC 8-1
Flame Spread	10	
Smoke Density	35	
EU 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.

Shelf Life

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

Approved Printing Processes:

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"/>

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.

Chalkboard Tips

This product behaves like a chalkboard. For best results use the following recommendations:

- 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!
- Once primed, you can use standard chalk or liquid chalk markers to create your designs.
- If using regular chalk, use an eraser even a MACTac felt squeegee will do.
- 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.

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- Do not use strong indoor wall cleaners like Fantastic®, Windex®, Clorox® wipes, or anything containing mild to strong solvents, ammonia or an abrasive.

Application Tips

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

- Highly textured surfaces
- High humidity areas or moisture behind the drywall.
- New drywall (anything less than one year old is considered new) does a lot of moving as the new building settles. And new drywall will shrink due to its relatively high moisture content, finally, new drywall will outgas as it dries out. All of these things may result in failure like edge lifting, or bubbles and blisters forming under the graphic.
- Drywall must be finished to level 4 or 5 for pressure sensitive wall graphics to be successful.
- Butt adjacent panels together. Do not overlap. This film is too thick and too textured to insure good adhesion with overlapping WallChalker film panels.
- 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 un-cured paint may fail. **Consult with your paint manufacturer** for the proper primer and paint to use and their respective cure time.

For these reasons, there is no guarantee for Pressure Sensitive graphics in drywall applications.



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

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