

## wallCHALKER

### PRODUCT DESCRIPTION

MACtac wallCHALKER is a unique intermediate film designed specifically for chalkboard applications. The face is a 120µm textured matt black cadmium-free semi-rigid vinyl, coated with a removable acrylic adhesive. MACtac wallCHALKER can be plotter cut, however due to it being thicker and tougher than most vinyl films, extra pressure and sharp blades will be necessary. MACtac wallCHALKER is cleanly removable from most common surfaces for up to 2 years.

**Face Material:** 120µm textured matt black semi-rigid vinyl

**Adhesive:** Semi-permanent acrylic adhesive

**Liner:** Highly stable 135 gsm white kraft paper

### TYPICAL USE

MACtac wallCHALKER can be used for interior or exterior chalkboard applications. Application is possible at temperatures down to 0°C.

### PROCESSING

#### Chalk writing

MACtac wallCHALKER behaves like a chalkboard. For best results use the following recommendations:

- 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 wipe clean using a damp cloth.
- Do not use strong indoor wall cleaners or anything containing mild to strong solvents, ammonia or abrasive.

#### Application to interior walls

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:

- Highly textured surfaces
- Matte, high gloss and scrubbable paints
- Highly pigmented paints (dark colours)

- Newly painted surfaces
- High humidity areas or moisture behind the drywall
- New drywall (anything less than one year old is considered new) will shrink due to the relatively high moisture content, which may result in lifting graphics.
- New drywall will outgas as it dries out which may result in bubbles or blisters forming under the graphic.
- Different paints require different cure times. 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.
- Even with the best of conditions some jobs may require touch ups
- For these reasons, there is no guarantee for Pressure Sensitive graphics in drywall applications.

#### 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.

#### SHELF LIFE

2 years when stored at 15 to 25°C and ± 50 % relative humidity

## PHYSICAL PROPERTIES (TYPICAL VALUES)

### Average Values Test Method

Thickness		
Film + Adhesive (micron)	140	ISO 534
Face Material data, 23°C		
Tensile Strength (N/15mm)	>45	DIN ISO 527-3
Elongation at Break (%)	>150	DIN ISO 527-3
Adhesive data, 23°C (N/25 mm)		
Peel adhesion 180° on stainless steel		
- 20 min. residence	3.5	FTM 1
- 24-hour residence	4.8	FTM 1
- 48-hour residence	6.3	FTM 1
Dimensional stability		
Shrinkage (1 week at 70°C applied on Aluminium)	> 0.3 mm	FTM14
Temperature ranges		
Application (°C)	0 to +40	
End-use (°C)	-40 to +70	
Flammability		
Sample mounted on aluminium	self-extinguishing	ISO 3795
Solvent and chemical resistance		
Resistance to most:	Water, water and detergent, alcohols	unaffected
	Oil, gasoline, gasoline-oil	affected (lifting around edges)

## EXPECTED DURABILITY

The expected indoor durability is up to 5 years. The expected vertical outdoor durability is up to 4 years in central Europe (Zone 1). This information is based on successful real-life experience and artificial aging according to ISO 4892-2.

## DISCLAIMER

For more information on the durability and exposure please visit the "Mactac Technical Bulletin TB 7.5 Outdoor Durability of Mactac Graphics - Self-adhesive films" on the [www.mactacgraphics.eu](http://www.mactacgraphics.eu) website.

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