

wallCHALKER

Technical Data Sheet

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.

CONSTRUCTION

Face material :
120µm textured matt black cadmium free semi-rigid vinyl.
Adhesive :
Semi-permanent solvent based acrylic adhesive.
Liner :
Highly stable 135 gsm white kraft paper.

TYPICAL USES

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

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 ISO4892-3.

SHELF LIFE

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

PHYSICAL PROPERTIES (Typical values)

Thickness (mm) (Film + adhesive) ISO 534
0.140

Face Material Data, 23°C DIN 53455-5

Tensile strength : > 45 N/15mm
Elongation at break : > 150 %

Adhesive Data, 23°C FTM 1

Peel adhesion 180° on stainless steel (N/25mm)
- 20 min. residence: 3.5
- 24 hours residence: 4.8
- 1 week residence: 6.3

Dimensional stability FTM 14

Shrinkage (48 hours at 70°C) : < 0.2 %
(25 cm x 25 cm, sample mounted on aluminium)

Temperature ranges :

Application : + 0°C to + 40°C
End-use : - 40°C to + 70°C

Flammability ISO 3795
Sample mounted on aluminium : self-extinguishing.

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.

IMPORTANT NOTICE

All MACTac products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects.

Published information concerning MACTac products is based upon research which the Company believes to be reliable although such information does not constitute a warranty.

Because of the variety of uses of MACTac products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.

All specifications are subject to change without prior notice.