

MACal® 9800 HT CAST

PRODUCT DESCRIPTION

MACal 9800 HT CAST are polymeric stabilized cast vinyl films coated with a durable permanent high tack adhesive giving excellent dimensional stability.

MACal 9800 HT CAST is designed for computer cutting and fast weeding for difficult substrates

Face material:

Polymeric stabilized cast vinyl, 66 µm thick, cadmium-free.

Adhesive:

Clear solvent based high tack permanent acrylic adhesive.

Liner:

Stable 135 gsm white kraft paper with grey backprinting. For white vinyl the liner is coated with a blue silicone coating to improve the contrast with the film colour.

NB: CONTRAST B ensures a clear view during the stripping process therefore improving productivity.

TYPICAL USE

MACal 9800 HT CAST is designed for long term interior and exterior marking applications (POS, wall signs..) on non-smooth or slightly porous surfaces like matt painted walls, MDF etc.

MACal 9800 HT CAST provides ideal conformability over flat to curved surfaces with rivets and simple corrugations.

COLOR MATCHING

Customer colour matching service is provided by MACTac.

PROCESSING

Computer cutting

Clean, quick, trouble-free cutting with most plotters. Adjustment of the cutting depth is important: if the cut is too deep this could result in the paper splitting and coming away with the adhesive when the vinyl is transferred to Application Tape.

SHELF LIFE

2 years when stored at 15 to 25°C and ± 50 % relative humidity (in the original packaging).

APPLICATION METHOD

For matt products: we recommend the use of a high tack application tape in order to ensure a good transfer of all letters (for example MACTransfer 100 and 215).

The transfer of the cut vinyl onto the Application Tape should always be performed by removing the liner from the pressure-sensitive material (i.e. with the PVC face downwards onto the working surface) and not by lifting off the Application Tape.

MACal 9800 HT CAST can be applied with the dry application method on curved surfaces. On flat surfaces the dry or the wet application method is suitable.

IMPORTANT REMARK

All surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination. The compatibility of paints and lacquers should be tested by the end-user, prior to use.

EDGE SEALING

Where exposure to chemicals and solvent spillage is likely to occur, edge sealing of decals with a varnish will prevent edge lift

SOLVENT AND CHEMICAL RESISTANCE

Resistant to most oils and grease, fuel, aliphatic solvents, weak acids, salts and alkalis.

PHYSICAL PROPERTIES (TYPICAL VALUES)

Face Material Data, 23°C	Average values	Test method
Tensile strength (N/15mm)	> 24	DIN ISO 527-3
Elongation at break (%)	150	

Except color matching

Thickness

Face film + adhesive (µm)	95	ISO 534
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Adhesive data, 23°C (N/25 mm)

Peel on mirror Stainless Steel		FTM 1
20 minutes	19	
24 hours	25	
1 week	27	

Dimensional stability

Shrinkage (1 week at 70°C applied on aluminium)	Max. 0.5 mm	FTM 14
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Temperature ranges

Minimum application temperature	+ 8°C
Service temperature range of use	- 40°C to + 90°C

EXPECTED DURABILITY*

Central Europe Zone 1

Black & white	10	ISO 4892-2.
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Note : Exposure to severe temperatures, ultraviolet light, and/or conditions in Southern European countries, tropical, sub-tropical or desert regions will cause more rapid deterioration. This also applies to polluted areas, high altitudes and south-facing exposure. No durability warranty is given for horizontal exposure.

Important notice Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

Disclaimer and warranty

MACal 9800 CAST range is available only in the following countries: Germany, Austria, Switzerland, Belgium, Holland, Luxemburg.

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