

## 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

### 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.

### EDGE SEALING

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

### 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

### SHELF LIFE

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

### PHYSICAL PROPERTIES (TYPICAL VALUES)

#### Average Values Test Method

Thickness		
Film + Adhesive (µm)	95	DIN ISO 527-3
Face Material data, 23°C		
Tensile Strength (N/15mm)	> 24	DIN ISO 527-3
Elongation at Break (%)	150	DIN ISO 527-3
Except color matching		
Adhesive data, 23°C (N/25 mm)		
Peel adhesion 180° on stainless steel		
- 20 min. residence	19	FTM1
- 24 hour residence	25	FTM1
- 1week	27	FTM1
Dimensional stability		
Shrinkage (1 week at 70°C applied on Aluminium)	Max. 0.5 mm	FTM14
Temperature ranges		
Application (°C)	+ 8°C	
End-use (°C)	- 40°C to + 90°C	

Solvent and chemical resistance	
Resistance to most:	oils and grease, fuel, aliphatic solvents, weak acids, salts and alkalis

### EXPECTED DURABILITY

Central Europe Zone 1

Black & white	10	ISO 4892-2.
---------------	----	-------------

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.

Avery Dennison warrants that its Products meet its specifications. Avery Dennison gives no other express or implied guarantees or warranties with respect to the Products, including, but not limited to, any implied warranties of merchantability, fitness for any particular use and/or non infringement. All Avery Dennison products are sold with the understanding that the purchaser has independently determined the suitability of such products for its purposes. The period of warranty is one (1) year from the date of shipment unless expressly provided otherwise in the product data sheet. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>. Avery Dennison's aggregate liability to Purchaser, whether for negligence, breach of contract, misrepresentation or otherwise, shall in no circumstances exceed the price of the defective, non-conforming, damaged or undelivered Products which give rise to such liability as determined by net price invoices to Purchaser in respect of any occurrence or series of occurrences. In no circumstances shall Avery Dennison be liable to Purchaser for any indirect, incidental or consequential loss, damage or injury, including without limitation, loss of anticipated profits, goodwill, reputation, or losses or expenses resulting from third party claims.