

## MACal® 9800 BF CAST

### PRODUCT DESCRIPTION

MACal 9800 BF CAST are cast vinyl films coated with a durable permanent micro-structured adhesive giving excellent dimensional stability.

MACal 9800 BF CAST is specifically designed for computer cutting, fast weeding and easy application of large letters.

#### Face material:

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

#### Adhesive:

Clear solvent based micro-structured permanent acrylic adhesive.

#### Liner:

Stable 145 gsm white kraft paper with grey backprinting.

### TYPICAL USE

MACal 9800 BF CAST is designed for long term interior and exterior marking applications (vehicle marking, window graphics, signs...). The BF adhesive allows faster and trouble free application onto substrates.

MACal 9800 BF CAST provides ideal conformability over simple contours, rivets and 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. This BF version of MACal 9800 CAST should not be used for cutting small letters as there could be some edge lifting due to the reduced surface contact linked to the presence of air micro-channels.

#### SHELF LIFE

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

### APPLICATION METHOD

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 BF CAST should always be applied with the dry application method on flat to curved surfaces.

### 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
---------------------------	----	---------

#### Adhesive data, 23°C (N/25 mm)

Peel on mirror Stainless Steel		FTM 1
24 hours	16	
1 week	18	

#### Dimensional stability

Shrinkage (1 week at 70°C applied on aluminium)	Max. 0.2 mm	FTM 14
---	-------------	--------

#### 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.
---------------	----	-------------

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.

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.

---

**Contact**

Email: [contact.mactac@mactac.eu](mailto:contact.mactac@mactac.eu)

Website: [www.mactacgraphics.eu](http://www.mactacgraphics.eu)

