



## Technical data sheet

# MACal 8100 colours n.t.c. MP 450-2 Century 8 White

### FACE MATERIAL

**Soft cadmium free vinyls, calendered, monomeric plasticized, gloss or dull finish.**

Available in the following colours :

<u>Gloss</u>		<u>Mat</u>	
8189	black	8108	yellow
8103	yellow orange	8138	blue
8105	dark yellow	8148	green
8109	yellow	8158	red
8139	blue	8188	black
8149	green		
8159	red		

### Application

Long life labels and outdoor use. Labels, stickers, signs, emblems, vehicle marking, drum labelling, and other applications where conformability, longer life and resistance to weather and chemical agents are required. The material can be printed in screen, flexo, letterpress and gravure and can also be used for hot foil stamping with suitable ribbon quality.

### Technical characteristics

<b>Thickness</b>	75 ± 6 µm	ISO 534
<b>Weight</b>	100 ± 15 gr/m <sup>2</sup>	ISO 536
<b>Gloss</b>	≥ 45 %	DIN 67530
<b>Dullness</b>	± 12 %	DIN 67530

### ADHESIVE

**A rubber based permanent adhesive with good tack and adhesion to a wide variety of surfaces** ( is not recommended for substrates containing migrating plasticizers ).

UV resistance is considered as good if not exposed to direct sunlight.

### Properties

<b>High Speed Release</b>	0,45 ± 0,10	N/25mm at 100 m/min.	FTM 4
<b>Low Speed Release</b>	0,11 ± 0,04	N/25mm at 300 mm/min	FTM 3
<b>Final Peel 20 min</b>	≥ 15	N/25 mm on glass	FTM 1
<b>Quick Tack</b>	≥ 13	N/25 mm on glass	FTM 9
<b>Cohesion</b>	≥ 60	Hours on glass	FTM 8
<b>Appl. temperature</b>	≥ + 5 °C		
<b>Service temperature</b>	from -20 to +80 °C		
<b>Shrinkage</b>	≤ 3 %	80 °C – 10 min	

### BACKING

Super calendered glassine backing paper combining high flexibility and consistent calliper for speed and ease of conversion with good translucency for optical scanning. Excellent resistance to die-cutting.

### Technical characteristics

<b>Thickness</b>	68 ± 6 µm	ISO 534
<b>Weight</b>	80 ± 4 gr/m <sup>2</sup>	ISO 536
<b>Tensile strength</b>	≥ 90 N/15 mm	DIN 53455
<b>Resistance</b>	≥ 50 N/15 mm	DIN 53455
<b>Transparency</b>	≥ 42 %	DIN 53147

**Shelf life** : 2 years when stored at 15-25°C, (50 ± 5) % relative humidity, in the original packaging.



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*Contains more than 0.1% (w/w) of Bis(2-ethyl(hexyl)phthalate) (DEHP) CAS number 117-81-7. You can find more information on this substance on <http://www.dehp-facts.com/>*

*MACal 8105 contains more than 0.1% (w/w) of Lead sulfochromate yellow CAS number 1344-37-2*

*MACal 8158 and MACal 8188-10 contain more than 0.1% (w/w) of Lead chromate molybdate sulfate red CAS number 12656-85-8*