

## MACal® 9722-00 PRO Light Stop

### PRODUCT DESCRIPTION

MACal 9722-00 PRO is a vinyl 100 % opaque coated with a long-life durable, highly cohesive acrylic pressure sensitive adhesive, which is protected with a high quality siliconized kraft paper.

**Face Material:** Totally opaque white film, 140 µm thick, cadmium-free, with a matt finish which prevents light reflection.

**Adhesive:** Acrylic based pressure-sensitive, very cohesive and extremely durable.

**Liner:** Highly stable 135 gsm bleached kraft paper printed with Mactac backprinting.

### TYPICAL USE

MACal 9722-00 PRO Light Stop can be used for light box applications (in combination with MACal 9700 PRO colours and MACal 9700 PRO Light Diffusers). This film stops the light going through and allows special effects when the light box is lit.

### PROCESSING

#### Computer cutting

Clean, efficient, trouble-free cutting with most plotters. Adjustment of the depth of the cutting tool is important, as too deep a cut into the liner could result in the paper splitting when transferred onto the Application Tape.

#### Printing

MACal 9722-00 PRO Light Stop has successfully been used on eco-solvent, Latex and UV inkjet printing systems. The individual settings of each device need to be found and tested prior to use. The print quality is not part of the warranty for MACal 9722-00 PRO Light Stop.

#### 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 aape.

#### 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.

Care should be taken when selecting a substrate for use in illuminated devices with self-adhesive materials. Some substrates, e.g. polycarbonate could degas and create 'bubbling' defects.

It is, therefore, recommended to conduct compatibility trials between MACal 9722-00 PRO Light Stop and the application surface before making large jobs.

### 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)	175	ISO 534
Face Material data, 23°C		
Tensile Strength	>1.1	DIN ISO 527-3
Elongation at Break (%)	>100	DIN ISO 527-3
Adhesive data, 23°C (N/25 mm)		
Peel adhesion 180° on stainless steel		
- 20 min. residence	14	FTM1
- 24 hour residence	20	FTM1
- 1 week	24	FTM1
Dimensional stability		
Shrinkage (1 week at 70°C applied on Aluminium)	Max. 0.7 mm	FTM14
Temperature ranges		
Minimum application temperature (°C)	10°C	
Service temperature range (°C)	- 40°C to + 90°C	
Flammability		
Sample mounted on aluminium		

	self-extinguishing
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## EXPECTED DURABILITY

Central Europe Zone 1

Unprocessed	7 years	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.

### DISCLAIMER

For more information on the durability and exposure please visit the “Mactac Technical Bulletin TB 7.5 Outdoor Durability of Mactac Graphics - Self-adhesive films” on the [www.https://www.mactacgraphics.eu](https://www.mactacgraphics.eu) website.

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