

### PROFIFLEX LAM-PRO SERIES: LAM-PRO GPT L80+ (GLOSS) AND LAM-PRO MPT L80+ (MATT) A TRANSPARENT, MONOMERIC, SELF-ADHESIVE OVERLAMINATING FILM

#### → AVAILABLE STANDARD WIDTHS AND LENGTHS

1.05, 1.27, 1.37, 1.60 x 50 m. Other lengths on Customers' individual request.

#### → PRODUCT DESCRIPTION

Ikonos Profiflex LAM-PRO is an 80  $\mu$  monomeric, transparent overlaminating PVC film with UV absorber. Profiflex LAM-PRO can provide the picture with high brilliance (gloss version GPT L80+) or matt effect (matt version MPT L80+), intensifying the colour range of an image and significantly extending its durability. Profiflex LAM-PRO reduces colour fading and effectively retards printout deterioration caused by weather conditions.

#### → PRODUCT STRUCTURE

Film: 80  $\mu$  transparent, gloss or matt, monomeric PVC with permanent transparent glue.

Glue: permanent dispersion of polyacrylate, highly resistant to UV irradiation and moisture.

Liner: one-side siliconized 121g/m<sup>2</sup>, "claycoated" type backing paper.

#### → RANGE OF APPLICATION

Ikonos Profiflex LAM-PRO firmly protects pictures and images from mechanical damage, moisture and UV radiation. It is perfect for any kind of indoor applications as well as for short- and midterm outdoor usage.

#### → PHYSICAL FEATURES OF PROFIFLEX LAM-PRO

	STANDARD NO.	VALUE
<b>Thickness</b>		
Thickness of PVC	ISO 2286-3	80 $\mu$
Total thickness (PVC+glue+liner)	ISO 2286-3	208 $\mu$
<b>Tensile stress at break</b>		
Along	ISO 527-3/2/200	20 MPa
Across	ISO 527-3/2/200	15 MPa
<b>Tensile strain at break</b>		
Along	ISO 527-3/2/200	160 %
Across	ISO 527-3/2/200	160 %
<b>Adhesive Power</b>		
Initial	FINA9	8.8 N / 25 mm
After 20 minutes	FINA1	13.3 N / 25 mm
After 24 h	FINAT 1	19.8 N / 25 mm
<b>Temperature range</b>		
While applying	-	from 5 °C to 40 °C
While exploiting	-	from -30 °C to 70 °C
Flammability	Adhered to aluminium, glass or steel – self-extinguishing	
Durability	2 years (outdoor durability, unprocessed film) *	
Shelf Life	2 years (in original packaging, at 20 °C and 50% relative humidity)	

\* The data concerns vertical surface exposure. The outdoor durability relates to the temperate climate of Middle Europe. If the laminating film is exposed to extreme weather conditions, such as austere insolation or humidity it may undergo accelerated deterioration. The image quality may also weaken in greatly contaminated areas and regions of high altitude.

After printing the ink must be perfectly dry so as to avoid any affect on the later combination with the laminate. The surface on which Profiflex LAM-PRO is applied must be free of dust, grease, lubricant and any other substances which may hinder the film from adhesion. Freshly lacquered or painted surfaces should be allowed to dry for no less than three weeks. The compatibility of particular lacquers and paints should be tested by the user, prior to application on the material.

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