

### PROFIFLEX LAM-PRO SERIES: LAM-PRO GPT LP75+ (GLOSS) A TRANSPARENT, POLYMERIC, SELF-ADHESIVE OVERLAMINATING FILM

#### → AVAILABLE STANDARD WIDTHS AND LENGTHS

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

#### → PRODUCT DESCRIPTION

Ikonos Profiflex LAM-PROGPT LP75+ is a 75 µ, polymeric, transparent overlaminating PVC film with UV absorber. Profiflex LAM-PRO can provide the picture with high brilliance, 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: 75 µ transparent, gloss, polymeric PVC with permanent transparent glue (with UV absorber).

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 mid- and longterm outdoor usage.

#### → PHYSICAL FEATURES OF PROFIFLEX LAM-PRO GPT LP75+

	STANDARD NO.	VALUE
<b>Thickness</b>		
Thickness of PVC	ISO 2286-3	0,075 mm
Total thickness (PVC+glue+liner)	ISO 2286-3	0,203 mm
<b>Tensile stress at break</b>		
Along	ISO 527-3/2/200	min. 24 MPa
<b>Tensile strain at break</b>		
Along	ISO 527-3/2/200	min. 180%
<b>Gloss level</b>	DIN 67530, 85'	40 [CD]
<b>Dimensional stability</b>	DIN 53377	max. -3,2% [MD]
<b>Adhesive Power</b>		
Initial	FINAT 9	6.5 N / 25 mm
After 20 minutes	FINAT 1	13.7 N / 25 mm
After 24 h	FINAT 1	21.4 N / 25 mm
<b>Temperature range</b>		
While applying	-	from 12 °C to 40 °C
While exploiting	-	from -20 °C to 50 °C
<b>Flammability</b>	Adhered to aluminium, glass or steel – self-extinguishing	
<b>Durability *</b>	90' vertical exposure	indoor 7 years
	90' vertical exposure	outdoor 4 years
<b>Shelf Life</b>	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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