

AVAILABLE STANDARD WIDTHS AND LENGTHS: 1.37, 1.52 x 50 m.

PRODUCT DESCRIPTION: Matt, polymeric cast PVC film with a pressure-sensitive, permanent, acrylic adhesive. The product was designed for protecting digital prints.

PRODUCT STRUCTURE:

Film: 40 micron, polymeric cast matt vinyl film with an excellent resistance against UV light, chemical products, humidity and dirt.

Glue: permanent, solvent-based, acrylic adhesive which does not have an aggressive reaction on the printout.

Liner: one-side siliconized 120g/m², "claycoated" type backing paper.

RANGE OF APPLICATION:

Thanks to its excellent UV-filters Ikonos Proficast Lam-Pro MPT LC40+ is perfect for long-term outdoor use under the most extreme conditions. It may significantly increase a lifetime of the printout. Preceding compatibility tests are advisable.

PHYSICAL FEATURES: (at a relative humidity of 50 ± 5 % and a temperature of 23 ± 2°C)

	STANDARD NO.	VALUE
Thickness		
Thickness of PVC	DIN 53370	40
Total thickness (film+glue+liner)	DIN 53370	190
Elongation at break		
In production length direction	DIN 53455	>190%
In cross direction	DIN 53455	>190%
Gloss level (measuring angle 80°)	DIN 67530	20 GU
Dimensional stability	FINAT 14	<0,25 mm
Adhesion strength		
Quickstick	FINAT 9	12 N
After 20 min	FINAT 1	13 N/25 mm
After 24 h	FINAT 1	16 N/25 mm
Temperature range		
While applying	-	+5°C to +40°C
While exploiting	-	-20°C to +70°C
Flammability	If applied on aluminium, glass, steel = self-extinguishing	
Expected outdoor durability	-	5-6 years (vertical)

* 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 Proficast 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.

All rights reserved. All trademarks and registered trademarks are the property of their respective owners. The information included in the present publication is based upon our knowledge as well as practical experience and can be changed without prior notice. This data is displayed only in order to serve as a source of information and is given without guarantee and does not constitute a warranty. Owing to wide range of possible uses and applications, customers should independently verify the appropriateness of this material for their explicit purpose, prior to use.

STORAGE INSTRUCTIONS:

All Ikonos materials always need to be stored in their original packing and with the original protection flanges. Especially for cast films it is important that they are stored vertically. These films are softer than calendered films and consequently more sensitive to pressure marks when they are stored horizontally, resting on their own weight. In order to avoid any loss of quality, the Ikonos laminate should also be stored in suitable conditions, that is at a temperature between 10 and 20°C, and a relative humidity of 50 %. Under these conditions, the Ikonos materials can be stored for a period of two years.

REMARKS:

- As the colour of the film can differ slightly for each production run, we advise you not to use films with different batch numbers in one single and critical job.
- When applying matt films, you can easily get scratches on the material. That is why we advise you always to apply matt films by machine or using a felt squeegee and wearing gloves. If you still see scratches on the material after the application, these can be removed again with ease by means of a hot air gun.

IMPORTANT:

The information, mentioned in this product data sheet, is based upon tests that were executed by Ikonos, and that we consider to be reliable. The information always represents an average, a minimum or a maximum value, and should be considered as such. It is only given for your information, and does not give any guarantee. It is up to the end user to decide whether or not the product is suited for his particular application.

- 1) The thickness of the Ikonos materials may vary slightly. The indicated value is an average value, obtained from a series of measurements.
- 2) The elongation at break of the Ikonos materials may vary slightly. The indicated value is a minimum value, obtained from a series of measurements.
- 3) The dimensional stability is the shrinkage in mm. This value is measured by applying the film on aluminium (10x10cm), and placing it in a hotair oven at 70°C for 48 hours (= Finat 14 Method, adjusted according to our own internally developed procedure). The indicated value is a maximum value, obtained from a series of measurements.
- 4) The adhesion strength is measured on glass, and this after 20 minutes and after 24 hours. The film is removed again in an angle of 180° and at a speed of 300 mm/min. The indicated value is an average value, obtained from a series of measurements.
- 5) The "Quickstick" is the direct adhesion strength, measured on glass. The indicated value is an average value, obtained from a series of measurements.
- 6) The expected outdoor life span refers to outdoor use under Central European conditions and to vertical applications. Non-vertical application can reduce the life span up to 50%. The expected life span of our films is based upon professional application on a dry, degreased and suitable background. Tropical conditions, or the use near chemical emission, may have a detrimental effect on the life span. For more detailed information we also refer to our general "Ikonos Proficast Warranty Certificate" and to our "General Terms and Conditions of Sale and Delivery".