

Laminates

Toner

Water

(eco) Solvent

Laminates cold

Latex

FIN963 Cold Economy Lamination Film Gloss 70 µm B1

Product Description

A monomeric plasticized, calendered laminating film. It is a protective overlaminating film for digitally printed images, followed by application on flat surfaces. The clear permanent adhesive is acrylic based and pressure sensitive. The backing paper is one side siliconized surface-coated paper.

Physical Properties

Thickness facefilm	70 µm	ISO534
Thickness facefilm+ adhesive	100 µm	ISO534
Gloss 20°	70 %	ISO 21974
Adhesion initial	550 N/m	FINAT FTM-1 Stainless steel
Adhesion ultimate	900 N/m	ISO 21974
Flame Retardant	B1	DIN 4102

All values listed are target values

Applications/ features

Inkjet printed images (photo papers, polyester, vinyl)
Adds attractive uniform finish to a print
Protects against UV radiation, abrasion and moisture
Preferably for indoor use
Short life outdoor use: up to 2 years
Specially designed for UV(gel) inks

Available Widths (mm)

3"core	1040	1370								
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Storage Conditions

Shelf life: 2 years. Temperature 10-25 °C, Relative Humidity 35-65%

Print Conditions

Best results are obtained between 15-25 °C and 35-65% RH.

Environment, Health & Safety

No Material Safety Data Sheet required. Waste not suitable for recycling.

Temperature

Service temperature -40 °C to +80 °C

Outdoor Durability

The outdoor durability is up to 2 years. This is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, outdoor performance will be decreased. The durability of a printed image always depends on the ink, film, processing and exposure conditions. The specified outdoor durability of up to 2 years is applicable only to the laminating film (not to the image that is laminated).

Processing Guidelines

Lamination processing guidelines

Speed (m/min): 0-2,5

Temperature (°C): 20-35

Pressure (PSI): 50-70

For specific settings on the laminator, please read the technical manual of laminator.

The film is designed for cold (pressure sensitive) lamination.

Always set the lamination tension of the overlamine and the printed substrate in such a way that they are laminated flat but without stretching. Improper tension adjustment is the most important cause for wrinkles and possible delaminating. This is caused by the tension difference between the laminate and the print (medium) to be laminated.

Please note that increased roller temperatures in combination with higher winding tension can lead to unwanted elongation of the film and image.

Winding tension therefore should be carefully monitored and kept at the appropriate level.

Let the prints dry for at least 24 h before laminating it. Double-sided lamination in one step is possible; however the laminator should be set to handle 2 release liners.

The inside of the roll is the adhesive side.

Application guidelines

Only pressure sensitive laminates are recommended for outdoor usage. Lamination will improve the UV resistance of the print and protects it against abrasion.

Minimal application temperature is 8 °C.

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English edition 1015
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