

# TK 111C

## PRODUCT INFORMATION



### Product Description

The LYX®-Laminates is a series of pressure sensitive products used for protecting digitally printed graphics. It provides fast, efficient processing through roll lamination techniques (roller or squeegee) without the need of high temperatures.

The LYX®-Laminates TK 121C is a matt ultra clear PVC film specially designed for long term protection of digital prints. TK 121C is recommended to laminate the following Digital White Printing media: **TK 911W P**. TK 121C helps retarding the colour fade caused by ultra-violet (U.-V.) during exposure to light.

Face Material TK 121C : 75 µm matt, polymeric PVC film  
Adhesive : Clear permanent acrylic adhesive  
Liner : White kraft paper 80 g/m<sup>2</sup>

### Physical properties

	<u>Typical values</u>	<u>Test method</u>
<b>Adhesive</b>		
Quick Tack on glass (N/25 mm)	16	FTM 9
Peel 180° on glass (N/25mm)		
- after 20 minutes	16	FTM 1 (ASTM D 903-49)
- after 24 hours	20	FTM 1 (ASTM D 903-49)
Shear on glass (hours)		
1 kg - 25 mm x 25 mm	1000	FTM 8

## Chemical Resistance

Resistant to short periods of immersion in water and short contact with detergents, alcohol and some aliphatic solvents. Not recommended for contact with ketones, esters, aromatic solvents and chlorinated hydrocarbons.

## Temperature ranges

Application:	+ 5°C to + 40°C
End-use:	- 30°C to + 70°C
Storage:	+ 15 to 25°C and +/- 50 % relative humidity.

## Shelf Life & Durability

TK 121C can be stored for 2 years at recommended storage temperature and humidity without alteration of its performance.

TK 121C will give satisfactory performance up to 3-4 years of outdoor exposure.

The durability does not relate to the image protected but only to the laminating film.

Note: These end-use life estimates are based on accelerated ageing studies and **outdoor** exposure, under conditions experienced in vertical exposure and in "normal" temperature climates. Exposure to severe humidity and ultraviolet light, as in southern European countries, and also in tropical, sub-tropical or desert regions, will cause a more rapid deterioration. This also applies to polluted areas, high altitude, horizontal and/or south-facing exposure, printing with very dark inks, where durability may be divided by 2.

## Recommendations

- Always test the combination of LYX®-Laminates TK 121C, printing media and inks prior to commercial use.
- When laminating digital prints, ensure the print is perfectly dry (wait min. 48 h before transport or lamination).
  - All LYX®-Laminates products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects.
  - Published information concerning LYX®-Laminates products is based upon research which the Company believes to be reliable although such information does not constitute a warranty.
  - Because of the variety of uses of Multi-fix products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.
  - All specifications are subject to change without prior notice.

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