

Multi-fix Series 6904 Multi-laminate



Technical Data Sheet

1) PRODUCT DESCRIPTION

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

The MULTI-LAMINATE 6904 is a high gloss ultra clear PVC film specifically designed for long term protection of digital prints. 6904 is recommended to laminate the following Digital White Printing media : 6005PE, 6006PE, 6009PE, 6055, 6056PE and Fixfree 605PE. 6904 helps retarding the colour fade caused by ultra-violet (U.-V.) during exposure to light.

FACE MATERIAL 6904	60 µm glossy polymeric PVC film
ADHESIVE :	Clear permanent acrylic adhesive
LINER :	White kraft paper 80g/m ²

2) PHYSICAL PROPERTIES

	<u>Typical values</u>	<u>Test method</u>
Adhesive		
Quick Tack on glass (N/25 mm)	16	FTM 9
Peel 180° on glass (N/25 mm)		
- 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

3) 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.

For further technical advice, please consult Multifix

4) TEMPERATURE RANGES

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

5) SHELF LIFE & DURABILITY

6904 can be stored for 2 years at recommended storage temperature and humidity without alteration of its performance.

6904 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" temperate 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 where durability may be divided by 2.*

RECOMMENDATIONS

- Always test the combination of MULTI-LAMINATE 6904, 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 Multi-fix 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 Multi-fix 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 product for each intended use, and the purchaser shall assume all risks regarding such use. 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.*