

Multi-fix Series 6500 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 6500 is a series of PVC laminates specifically designed for the protection of Digital White printing media 6050-51-52, Fixfree 650P/R, 6057.

The 6500 series

- is available in different finishes (sand, matt or glossy)
- protects digital prints in both internal and external applications
- helps retarding the colour fade caused by ultra-violet (U.-V.) during exposure to light.

FACE MATERIAL 6502	75µm semi-matt PVC film
6503	75µm matt PVC film
6504	75µm gloss PVC film
ADHESIVE :	Clear permanent acrylic adhesive
LINER :	Kraft clay coated paper 80g/m ²

2) PHYSICAL PROPERTIES

	Typical values	Test method
Adhesive Data, 23°C		
Quick Tack on glass (N/25mm)	14	FTM 9
Peel 180° on glass (N/25mm)		
after 20 min	12	FTM 1
after 24 hours	16	FTM1
Dimensional stability		
% shrinkage : 48 hours at 70°C (applied on aluminium)	<0.5%	FTM 14
Release liner : coated kraft paper (gr/m ²)	80	ISO 536

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

6500 can be stored for 2 years at recommended storage temperature and humidity without alteration of its performance.

6500 will give satisfactory performance up to 2 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 6500, 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)
- For outdoor use, the edges of the print should be sealed in order to avoid water penetration.
 - *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.*