

Multi-fix Series 6850 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 6850 is a high gloss ultra clear polyester film specifically designed for: protecting against graffiti any photo, flat digital prints or window graphics, backlist... protecting one way vision films like 6850 is therefore the recommended laminate to use with Digital White Printing media 5295PE, 6862R in both internal and external applications 6850 helps retarding the colour fade caused by ultra-violet (U.-V.) during exposure to light.

FACE MATERIAL 6850	36 µm ultra-transparent, glossy polyester film
ADHESIVE :	Ultra clear permanent acrylic adhesive
LINER :	PET liner 36 µm

2) PHYSICAL PROPERTIES

	<u>Typical values</u>	<u>Test method</u>
<u>Adhesive</u>		
Quick Tack on glass (N/25 mm)	14	FTM 9
Peel 180° on glass (N/25 mm)		
- after 20 minutes		
- after 24 hours	10	FTM 1 (ASTM D 903-49)
Shear on glass (hours)	12	FTM 1 (ASTM D 903-49)
1 kg - 25 mm x 25 mm	500	FTM 8
<u>Release liner</u>		
Transparent polyester 36 µ (gr/sqm)	50	ISO 536
<u>Thickness</u>		
Film + adhesive (µ)	60	ISO 534 (ASTM D 645)

3) CHEMICAL RESISTANCE

Resistant to water and detergents.

Also resistant to most diluted acids and alkalis.

Not affected by short contact with most of aliphatic and aromatic hydrocarbons, ketones, esters, chlorinated hydrocarbons and alcohol.

4) TEMPERATURE RANGES

Application : +5°C to + 40°C
End-use : -30°C to + 100°C
Storage : +15 to 25°C and ± 50 % relative humidity

5) SHELF LIFE & DURABILITY

6850 can be stored for 2 years at recommended storage temperature and humidity without alteration of its performance.

6850 will give satisfactory performance up to 2 years of outdoor exposure and 5 years of indoor 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 6850, 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.*