

# Multi-fix Series 6804 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 6804 is a glossy, cast PVC film specifically designed for the protection of super soft, flexible printed media like 6008G and FixFree 608P used in the total coverage of car, trucks, caravans...

6804 is suitable for internal and external applications ; it helps retarding the colour fade caused by ultra-violet (U.-V.) during exposure to light.

FACE MATERIAL 6804	30 µm transparent, glossy, soft cast PVC film
ADHESIVE :	Ultra clear permanent acrylic adhesive
LINER :	PET liner 30µm

### **2) PHYSICAL PROPERTIES**

	<u>Typical values</u>	<u>Test method</u>
<b><u>Adhesive data, 23°C</u></b>		
Quick Tack on glass (N/25 mm)	20	FTM 9
Peel 180° on glass (N/25 mm)		
- after 20 minutes	14	FTM 1
- after 24 hours	17	FTM 1
Dimensional stability, 48h at 70°C on aluminium	<0.2%	FTM 14
Flammability	Self-extinguishing	Sample mounted on aluminium
Shear on glass (hours) 1 kg - 25 mm x 25 mm	1000	FTM 8
<b><u>Release liner</u></b>		
PET liner (µm)	30	ISO 534
<b><u>Thickness</u></b>		
Film + adhesive (µm)	64	ISO 534 (ASTM D 645)

### **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.

#### **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**

6804 can be stored for 2 years at recommended storage temperature and humidity without alteration of its performance.

6804 will give satisfactory performance up to 4 years of outdoor exposure.

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

Indoor exposure will increase the durability values of 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 6804, 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)
  - using a professional laminator, work with a top cylinder temperature of about 30-40°C
  
- *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.*