



Providing Solutions in Pressure Sensitive Films

# Product Construction Sheet

FLEX-Vu® OM 080 C UV A-14 142POLYC-9

## GENERAL DESCRIPTION:

This is an UV light blocking clear polyester film coated with a clear over laminating permanent pressure sensitive acrylic adhesive and backed with an ultra smooth clear polyester release liner.

### Notes:

This material is designed to be used as over laminate to protect underlying images and surfaces. The UV absorbing properties of the material can inhibit or prevent fading of the underlying prints, although the degree of protection depends upon the particular ink, dye or pigment. Users are advised to carry out their own tests with the specific ink and media combinations.

The film is designed to be stable for at least five years compared to standard non stabilised Polyester (weathering data achieved using a Atlas Ci5000 weatherometer at an irradiance of 0.5 W/m2 (at 340 nm).

The over laminating film protects against damaging UV rays, moisture and (some) scratching.

The over laminating film will give protection to not only conventional ink systems but digital inks as well including HP Indigo inks (EI 3.2) when applied to a vertical surface. Testing using a SOL tester shows excellent results and protection up to potentially 5 years outdoor ( will differ due to the part of the world used and climate conditions).

No claim can be made regarding outdoor life of inks used in the manufacture of a label or decal. These overlaminates can reduce color fade with some, but not all inks ( especially water dye based ink jet). It is strongly recommended that the ink supplier be contacted for ink recommendations.

PRODUCT DATA	VALUE	TEST METHOD
<b>PHYSICAL PROPERTIES</b>		
Thickness	Film: 20 +/- 10 %	ASTM D 3652
mil (micron)	Adhesive: 23-25 +/- 3	
	Liner: 36 +/- 5 %	
Dimensional Stability (%)	No shrinkage observed	On Al panel at 71°C for 24 hr.

<b>ADHESION PROPERTIES**</b>		
Adhesion from	Average (N/m)	
Stainless Steel	484	FTM 1 (Modified 72 hr dwell time)
Acrylic	550	
Glass	473	
Expected Shear (hours)	100	FTM 8
Tack (gm/sq cm)	370	ASTM D 2979

\*\* For guidance only  
This data is based on limited test results due to the custom nature of this product, not to be used for setting specifications.

EXPECTED EXTERIOR LIFE	Five years (Based on 2000 hour weathering in Xenon)
SERVICE TEMPERATURE RANGE	-40°C to 150°C
MINIMUM APPLICATION TEMPERATURE	10°C
STORAGE STABILITY	Two years stored at 21°C and 50% RH

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### Product Performance and Suitability

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