

## ET02-UV Data Sheet

Product Code	ET02-UV	
Product Name	Gloss Polymeric UV Laminating Film	
Key Uses / Features	<ul style="list-style-type: none"> <li>• High clarity Gloss PVC</li> <li>• Calendered / Stabilized</li> <li>• UV protection of 99%</li> <li>• Medium term usage</li> <li>• Best suited for large format Outdoor Signage</li> <li>• Easy application cold or heat assist up to 50°C</li> <li>• Medium to long term indoor &amp; outdoor</li> </ul>	
Face Material	Calendered Polymeric UV PVC	
	Thickness	0.08 ± 0.005mm (80 ± 5mic)
	Weight (gsm)	105gsm ± 5%
	Gloss level (60°)	> 90%
Adhesive	Clear solvent base acrylic type	
	pH-value	approx. 7.0
	Coating thickness	0.022mm (22mic) ± 5%
	180° Peel Adhesion (kg/inch) (method: PSTC-1)	1kg/inch
	0° Shear strength (hr/inch) (method: PSTC-7)	54hrs/inch
Release Liner	White Silicon Paper	
	105gsm ± 5%	105gsm ± 5%
Heat Resistance	+5°C to 80°C	
Application temperature	+15°C to 50°C	
Storage conditions	18°C to 25°C and 50-60% relative humidity	
Durability	Up to 5 years (see below notes)	
Shelf life	1 year in storage conditions	

### Note:

The durability does not relate to the image protected but only to the laminating film. The 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 will cause rapid deterioration. This also applies to polluted areas, high altitude, horizontal and /or south-facing exposure where durability may be halved. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the product.

Allow the inks to cure/dry/gas off before over laminating, usually 24-48 hours. Failure to do so can cause delaminating, tunnelling and shrinkage and / or adhesive failure. The amount of dry time required is a function of the amount of ink applied, the image printed, relative humidity, printing conditions, etc. and all prints are not the same nor dry at the same rate. There may still be solvent in the ink that has not completely dried at the time of lamination. Although all PVC outgases, in some cases this process is accelerated by the presence of excess solvent in the ink and heat from high UV exposure

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