

Oct-20

## **Technical Data Sheet – Eco UV+ 250**

***Product Description:*** a multi-layer semi rigid PVC decorative film formulated for out-door applications. Including top print design protection layer & primer bottom layer designed to eliminate plasticizer migration as well as improved panel lamination.

The foil is based on the cool pigment technology for low HBU values

***Product Recommended Application–*** Suitable for lamination on PVC, Metal and Wood panels and profiles. Formulated & designed for 3D forming.

<b>PROPERTIES</b>	<b>UNITS</b>	<b>Typical results</b>	<b>TEST METHOD</b>
Gravimetric Thickness	mm	0.25	
Micrometric Thickness	mm	0.30	
Tensile Strength MD TD	kg/cm <sup>2</sup>	290 250	BS 2782-3 Method 320
Elongation MD TD	%	190 180	BS 2782-3 Method 320
Tear Strength MD TD	kg/cm	150 150	BS 2782-3 Method 360 ASTM-D-1004
Specific Gravity	g/cm <sup>3</sup>	1.35	ASTM-D-792
Gloss	60°	5	
Dimensional Stability	%	Max. 3	100°c
Flame Retardant		self - extinguishing	BS 508C
Impact **	J/mm	2.5	ASTM D 5420
Cold Flex -25°C		Pass	Over a rod diameter of 30mm
Chemical and Stain resistance			Resistant to normal household cleaning agents. Easy to clean
UV resistance Xenon		> 12 GJ/m <sup>2</sup> (6000h)	DIN EN 513 , colour change > 3 level gray scale ISO 105-A02
Color Fastness*		8	Blue Scale ISO 105-B02-1988
Heat Build Up		Pass level 1 (≤57°) Until 2 (≤62°)	(according to RAL-GZ 716 P322.2 temperature change after 90min exposure to 150 W IR lamp)

\* The Blue Wool Scale measures the color fading of the tested sample when exposed to light compared to the fading of 8 Blue fabric samples with different UV resistance. The change in the color (grey scale 4) of Eco UV+ is long after the change of the color of the Blue sample no. 8. Rating 8 is considered Excellent light fastness.

Impact\*\* - This test method covers the determination of the relative ranking of materials according to the energy requires to crack rigid plastic specimens by falling weight.