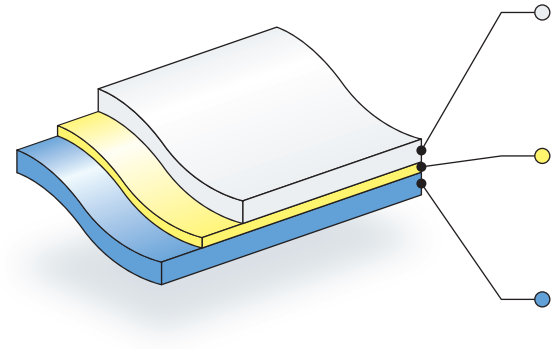
E-2200ZC

UV ink-jet printable UV blocking scratch resistant gloss ultra-clear polyester film



Facestock: *50µ gloss ultra-clear scratch resistant topcoated polyester offers excellent optical clarity and dimensional stability combined with good solvent, humidity, elevated temperature and UV resistance. Designed to be UV digital printed. The topcoating ensures excellent ink-adhesion combined with superior scratch resistance of non-printed areas.*

Adhesive: *PUV ultra clear UV blocking permanent acrylic adhesive exhibits excellent UV, chemical, humidity and temperature resistance. PUV has been specifically developed for clear film applications requiring enhanced UV protection combined with excellent optical clarity, flow out and resistance to ooze.*

Liner: *50µ clear polyester release liner specifically designed to ensure adhesive smoothness and optimum adhesive flow out.*

Product description:

E-2200ZC 50µ gloss ultra-clear topcoated scratch resistant polyester offers excellent optical clarity and dimensional stability combined with good solvent, humidity, elevated temperature and five-year 98% UV blocking* performance. Topcoat is specifically designed to ensure good print definition and adhesion of UV digital inks. E-2200ZC is coated with PUV ultra clear high performance acrylic adhesive which exhibits excellent optical clarity, flow-out and UV stability.

Typical applications:

Printed graphics to be applied to flat glass, clear window labels and decals.

Typical industry sectors:

Architectural signage, manifestations, point-of-sale and exhibition graphics.

*** When applied to the inside of glass.**

General characteristics:

Properties	Typical values		Unit of measure	Test method
Physical	○ *Facestock* ○ *Adhesive* ○ *Liner*		*50µ ± 10%* *21gsm ± 10%* *50µ ± 10%*	*FTM 12*
Peel adhesion Stainless steel Glass	***Initial*** *7.9* *10.2*	***24 hours*** *9.0* *11.4*	*N/25mm @ 23˚C, 50% RH*	*FTM 1*
Shear resistance	*>650*		*Minutes @ 40˚C*	*FTM 8*
Dimensional stability	*Excellent*		*<1mm*	*FTM 14*
Chemical resistance	*3.5 - Good*		*Grey scale 1 = poor 5 = superior*	*AATCC 8*
Min. application temperature	*+4˚C*		*Celsius*	
Service temperature range	*-40˚C to +135˚C*		*Celsius*	
Durability	*Five years**		*Vertical exposure through glass*	

Note: Please refer to our UV cured printable polyesters information sheet for printing and application information.

E-2200ZC has been tested in accordance with the procedures given in the standard EN 13501-1:2018: Fire classification of construction products and building elements - Part 1: classification using data from reaction to fire tests. Certificates available upon request. Standards:
Test standard: ENISO 11925-2:2020 & EN13823:2020
Classification standard: EN 13501-1:2018
Classification: B-s1,d0

Optical performance	**Sunlight**	*Transmittance (%)*	*84.4*
		Reflectance (%)	*7.9*
		Absorption (%)	*7.7*
	UV light	*Transmittance (%)*	*1.0*
	Infrared light	*Transmittance (%)*	*84.0*
		Reflectance (%)	*8.2*
	Sunlight heatshield (%)		*12.9*
	Shade factor		*0.99*
	Heat transfer (W/m ^{2}K)		*6.0*

The representations of performance and suitability for use contained in this data sheet are meant only as a guide. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use. Copyright 1995

RoHS3 compliance: This product is in compliance with European parliament directive (EU 2015/863) which restricts the use of certain hazardous substances in electrical and electronic equipment.