

Fasver® Printed Security Solutions for Polycarbonate

ITW Security Division's PC Protek™ Fasver® printed, polycarbonate (PC) security layers enable governments to incorporate into their PC identity cards a wide range of patented and unique security features which were previously available only on laminates and overlays. Document designers need not choose between the advantages of a PC card body and the visual security afforded by premium security features. You can have it all— a secure card that can't be delaminated, a 10-year document life, and vibrant, easily authenticated security features that are incredibly difficult to counterfeit.

Thermochromic Ink
Images printed with thermochromic ink disappear when activated by heat, creating easily detected overt security features. Red reacts at 36°C; blue at 44°C.

Invisible UV Image
Invisible under normal lighting conditions, UV images become clearly visible when activated by UV light.

Metallic Effect
Brilliant colors and a mirror-like appearance give Fasver® metallic inks a highly desirable dual purpose— document security and stunning design. Colors include gold, silver, blue, red, and green.

OVTek®
OVTek® is an easily authenticated security feature, employing proprietary Fasver® technology to create a printed pattern composed of two separate graphics with colors that swap instantly based on the angle of view.

ThermoChromic Ink

Hidden Image
Text and images hidden behind thermochromic print are revealed as the heat-activated thermochromic image disappears. Layering features in this manner increases visual appeal and thwarts counterfeiting attempts.

- ### Advantages
- ✓ 10-Year durability
 - ✓ Cannot be delaminated
 - ✓ Cannot be reproduced using a printer or photocopier
 - ✓ Hot stamp hologram can be added

- ### Applications
- Driving Licenses
 - ID Cards
 - Passports

General Information

	Rolls	Sheets
Features	OVDs (holograms, color shifting inks, OVTek®, etc.), UV colors, VIS Pantone colors, iridescent printing, metallic printing, and thermochromic printing.	
PC Material Thickness	50 to 300 micron PC.	
Format Size	Any roll width up to 350mm. Roll length as per customer request.	284mm x 471mm or 568mm x 471mm +/-1 sheet size with 21, 24, or 48 ID1 positions.
Labeling	As per customer requirements.	
Packaging	As per customer requirements.	
Storage	Product should be transported and stored in dry conditions away from direct heat and sunlight. Optimal storage temperature is 23°C +/- 2° at 10% RH. The recommended shelf life is 12 months in the original packaging.	
Lifetime	10 years in standard conditions (PC sheet laminated in the card body).	
Ordering	Minimum order quantities apply.	

Properties

- ✓ Withstands the high temperatures and pressures of the PC lamination process
- ✓ Maintains excellent image quality post-lamination
- ✓ Conforms to ISO 24789

Certifications and Memberships

Between the Covid*, Fasver**, and Imagedata*** brands, New Jersey, Montpellier, and Essex facilities, we are members of some of the industry’s most important organizations and have achieved highly revered certifications and/or compliance with others.



* Covid is a member of DSA, IHMA, and NASPO; and manufactures security solutions that are ICAO compliant.
 ** Fasver® is ISO 9001 and 14001 certified; is a member of IHMA; and manufactures security solutions that are ICAO compliant.
 *** Imagedata is ISO 9001 and 14001 certified.

NOTE: Although the information provided herein is given in good faith and deemed reliable, it is not intended as a warranty. We recommend that customers trial the product in order to determine suitability in the intended application. Please contact us to receive material for trial purposes. ITW Security Division reserves the right to change specifications without notice.