

PPG TESLIN® Security-Grade Substrate

Customizable synthetic security paper enhances credential protection and security.

For more than two decades, PPG TESLIN® substrate has been the preferred printed core material used globally in credential and identification programs that require advanced security and long-term durability.

Leveraging the inherent tamper-resistant and tamper-evident benefits of standard *Teslin* substrate, *Teslin* Security-Grade substrate adds security features that are integrated throughout the material during manufacturing to make credentials and other secure articles more difficult to counterfeit and easier to authenticate. It also provides the potential to simplify credential manufacturing and reduce per-unit costs.

Embedded Security Features

From ultra-violet and infra-red particles to taggants, different types and combinations of covert and forensic security features can be embedded into *Teslin* Security-Grade substrate (see reverse for details).

Customizable, Program-Specific Offering

Teslin Security-Grade substrate can be tailored with program-specific formulations to meet customer requirements and add another level of security. It is available in standard thicknesses ranging from 6 mils/152 microns to 14 mils/356 microns and in various product grades including TS, HD and Blue to accommodate a wide range of print technologies and project requirements.

Secure Supply Chain

Teslin Security-Grade substrate is manufactured exclusively at a PPG plant, where all raw materials, fabricated products, waste and trim are secured and closely monitored. It is sold directly by PPG only to legitimate and duly-screened parties.



Recommended Applications

- National identification cards
- Electronic passports
- State and national drivers' license cards
- Voter identification cards
- Social Security cards
- Birth certificates and other breeder documents
- Mark sheets and university diplomas
- Temporary vehicle license plates
- Vehicle registrations documents and cards
- Brand authentication labels and packaging



Covert Customization Offerings

Feature	Detection	Options	Response
Ultraviolet (UV) Visible fluorescence or phosphorescence	UV light source	Color: Green Dispersion options: - Low loading / Discreet - High loading / Obvious	
Infrared (IR) Visible - IR sparkle effect (plus Non-visible IR-to-IR audible response)	- IR light source - IR audible detector	Color: Green Dispersion options: - Low loading / Discreet - High loading / Obvious Color: Green and red Dispersion options: - Low loading / Discreet	
Infrared (IR) Non-visible IR-to-IR response - audible only	- Audible detector - Basic (Y/N) - Advanced	Dispersion options: - Low loading / Discreet - High loading / Obvious	

Program-Specific Forensic Customization Offering

Feature	Detection	Options	
Physically unique material, including unique embedded color code options	150x optical microscope 	Choose a sequence of up to six color layers: black, brown, red, orange, yellow, green, blue, purple, gray and white, including UV/IR white caps 	

For more information, please visit teslin.com

