

The logo consists of a stylized icon of three vertical bars of varying heights on the left, followed by the word "TOPTICAL" in a bold, black, sans-serif font.

TOPTICAL

A SOLUTION PROVIDER OF SECURITY OVERLAYS AND LABELS

Brand Profile

The history of the "Topical" brand can be traced back to 2000. Topical is mainly engaged in the field of security laminates by doing the research and development, design and production. The core products include security overlays and security labels to protect the information on the surface of identity documents, bank cards, or other commercial goods. Our products can be applied to scenarios such as identity recognition, border security and road traffic, etc.

Topical can provide one-stop solution including project consulting, in-house design, sample making, and full process manufacturing. Our R&D center is located in Hong Kong, China. Our manufacturing facility, which is equipped with a 100,000-level dust-free workshop and in strict security control, is located in Shanghai, China. Will full production load, Topical has an annual capacity of 300 million films to support our customers' requirements.

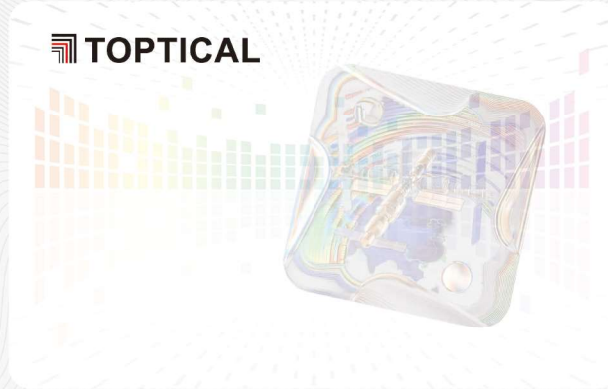
With more than 20 years of R&D and production experience, we are committed to providing customers high quality products with complex and customized security design. We will continue to innovate and develop new technologies to meet the continuous iteration of security needs of the market, and strive to provide customers more excellent solutions and services.

Main Products

Category	Used for	Product	Base Material
Security Overlays	Card Identity	Plastic Sealing Security Film	PET
		Embedded Security Film	PVC
		Embedded Security Film	PETG
		Embedded Security Film	PC
		Embedded Security Film	Composite PET
		Transfer Security Film	PET
	Booklet Identity	Surface Patch	PET
		Transfer Security Film	PET
	Printable Transfer Security Film		PET
		PET	
Protective Overlays	Card Identity	Transfer Protective Film	PET
		Patch Protective Film	PET
Security Labels	Card Identity	Positioning Stamping Security Label	PET
	Booklet Identity	Positioning Stamping Security Label	PET

Comply with Global Standards

- ISO9001:2015 Quality Management System.
- ISO14001:2015 Environmental Management System.
- ISO45001:2018 Occupational Health and Safety Management System.



Product Description

- ◆ Security film is equipped with features of diffraction optical variable image devices (DOVID) which is used to protect identity cards against counterfeiting and damage.

Application

- ◆ The film is hot laminated on a multi-layer plastic substrate to form a card identity document.

Base Material

- ◆ PC, PETG, PVC

Product Format

- ◆ In sheet

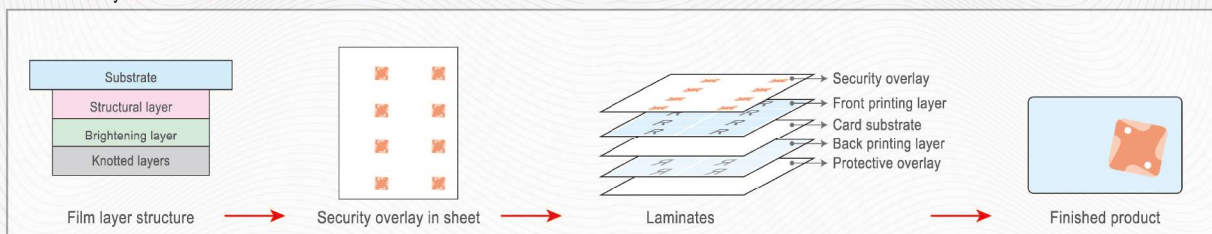
Product Features

- ◆ Customizable according to the card printing layout.
- ◆ Customizable diffraction light variable images at any position.
- ◆ Resistant to lamination process conditions.

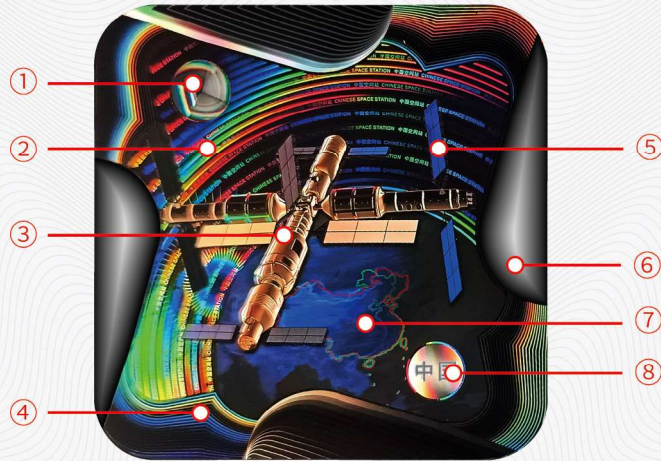
Comparative Advantage

- ◆ Remove the positioning hot stamping process and shorten the production cycle.
- ◆ Less labor and improved production efficiency.
- ◆ No solid waste, reduced energy consumption.

PC Card Identity Laminate Film



Embedded Security Film for Card Identity



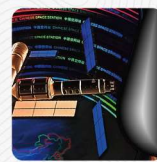
① Water droplets:
Lenses



⑤ Microtext



② Microtext:
Dynamic gratings



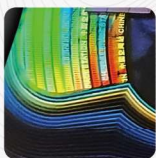
⑥ Element:
Metal embossing effect



③ Space station:
Multi-angle achromatic gratings



⑦ Earth:
3D true color

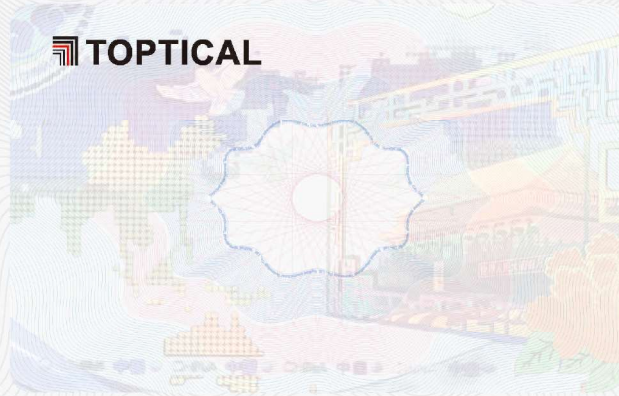


④ Line:
Dynamic gratings



⑧ China:
Point light reproduction

※Please consult the sales engineer for details.



Product Description

- ◆ A multi-layer structured security film is equipped with features of diffraction optical variable image devices (DOVID) which is used to protect personal information on identity cards against counterfeiting, tampering, and tearing.

Application

- ◆ The film is hot laminated with the card substrate which contains the personal information, and the security feature is heat transferred to the surface of the card. The film is used for card type identity equipment.

Base Material

- ◆ PET

Product Format

- ◆ In roll

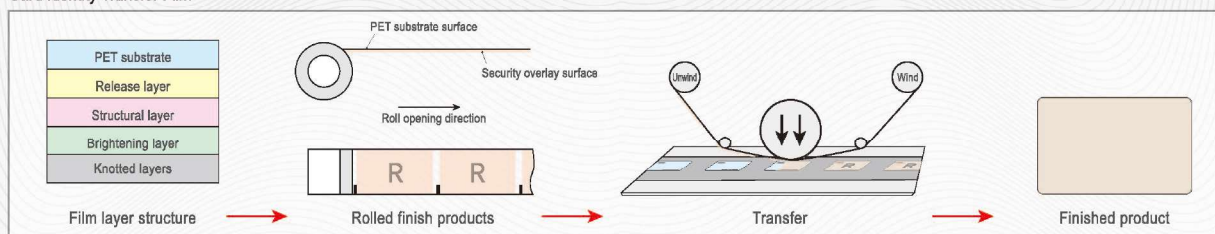
Product Features

- ◆ Customizable according to identity equipment specifications.
- ◆ Customizable diffraction light variation images at any position.
- ◆ Meet the requirements of the lamination process.

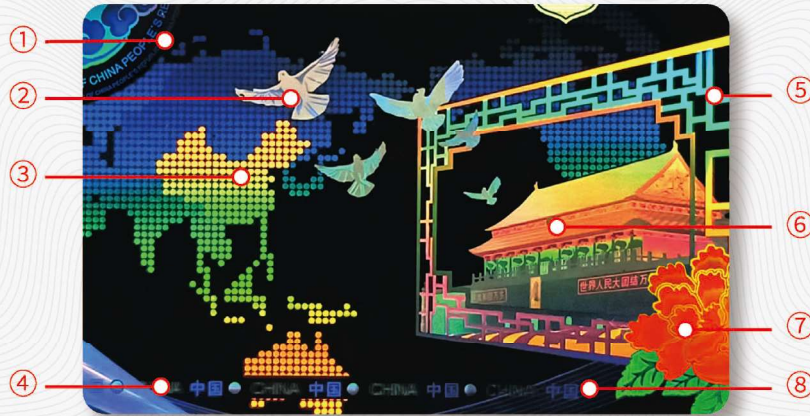
Comparative Advantage

- ◆ Superior protection against wear and tear.

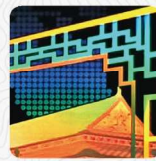
Card Identity Transfer Film



Transfer Security Film for Card Identity



① Condensed text



⑤ Chinese traditional style window:
Dynamic gratings



② Dove:
Multi-angle achromatic gratings



⑥ Tian'anmen Square:
True Color



③ Map: Pixels



⑦ Peony:
Zero-order diffraction light variation



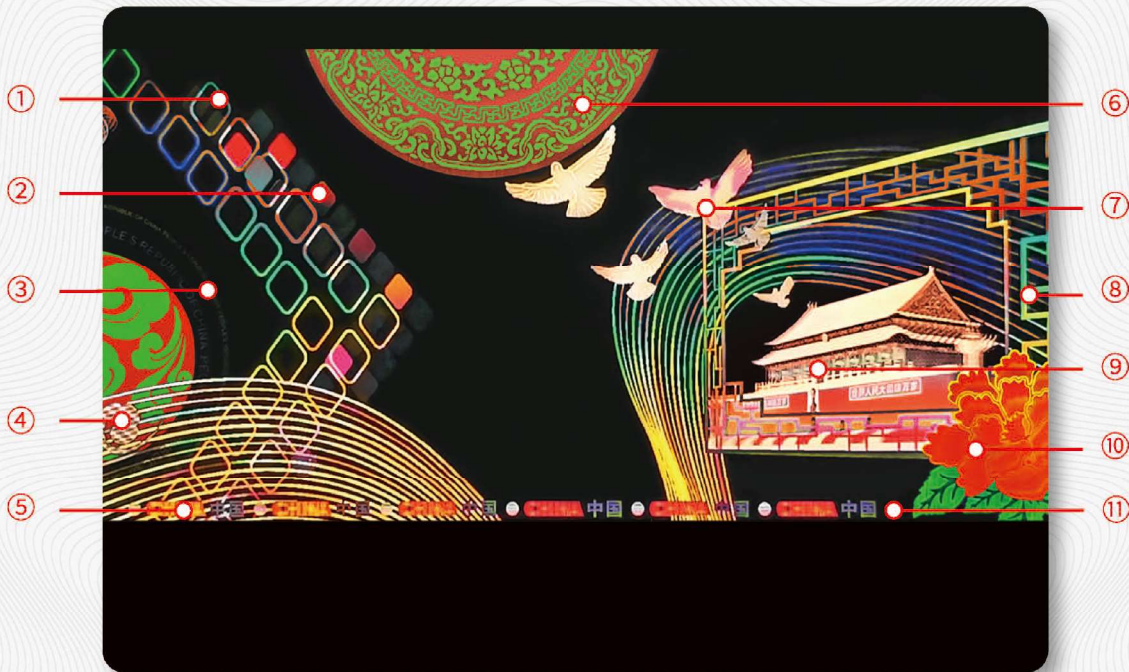
④ CHINA:
2D/3D



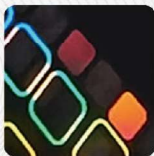
⑧ Water droplets:
Lenses

※Please consult the sales engineer for details.

Transfer Security Film for Booklet Identity



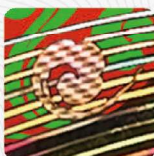
① Rectangular lines:
Dynamic pixels



② Rectangle:
Gratings of high spatial frequency



③ Condensed text



④ Cloud:
Laser reproduction



⑤ CHINA:
2D/3D



⑥ Blue-and-white pattern:
Zero-order diffraction light variation



⑦ Dove:
Multi-angle achromatic gratings



⑧ Chinese traditional style window:
Dynamic gratings



⑨ Tian'anmen Square:
True Color Stereoscopic

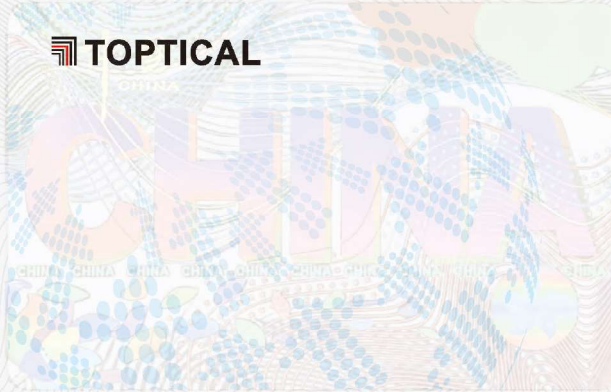


⑩ Peony:
Zero-order diffraction light variation



⑪ Water droplets:
Lenses

※Please consult the sales engineer for details.



Product Description

- ◆ Security Film is equipped with features of diffraction optical variable image devices (DOVID) which is used to protect personal information on identity cards against counterfeiting, tampering, and tearing.

Application

- ◆ The surface patch is thermally laminated with the card substrate which is printed with personalized information, and finally the security film is lied on the surface of the identity. Surface patch is used for card type identity equipment.

Base Material

- ◆ PET+PET

Product Format

- ◆ In roll

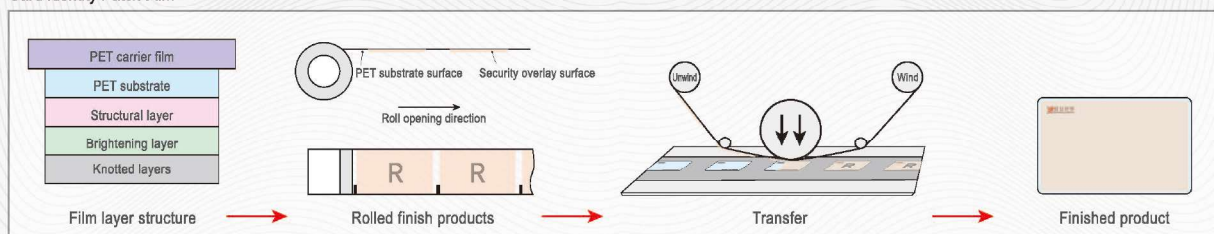
Product Features

- ◆ Customizable according to identity equipment specifications.
- ◆ Customizable diffraction light variation images at any position.
- ◆ Meet the requirements of the lamination process.

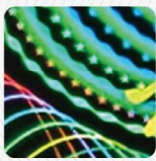
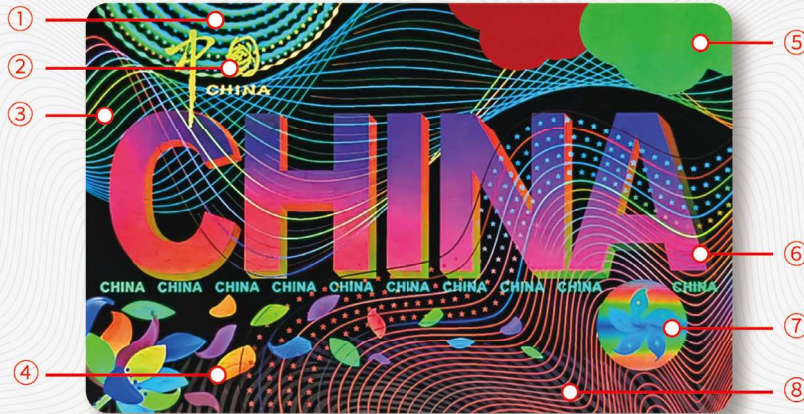
Comparative Advantage

- ◆ Superior protection against wear and tear.

Card Identity Patch Film



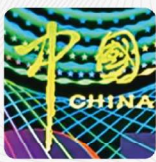
Surface Patch for Card Identity



① Element:
DID colorful transformation technology



⑤ Clouds:
Zero-order diffraction light variation



② China:
Dynamic gratings



⑥ China:
Dynamic variation



③ Ultra-fine line:
Dynamic effect



⑦ Colorful ball:
Holographic lens
Apposition with different images effect



④ Petals:
Illuminated embossing effect



⑧ Ultra-fine line:
Dynamic effect

※Please consult the sales engineer for details.

Milestones

