OBERTHUR FIDUCIAIRE

RELIEF™: 3D SOLUTIONS FOR THE FUTURE
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Oberthur Fiduciaire is bringing a striking new security feature to the banknote market with its robust new RELIEF™ 3D security thread.

As a Level 1 security element, RELIEF™ meets industry expectations, producing banknotes that can be recognised and authenticated at speed.

RELIEF™ works by stimulating the observer’s senses to perceive a visual tactility that does not exist – a highly memorable feature, which appears to the user as an intriguing and elegant trompe l’œil.

RELIEF™ combines its intense and eye-catching visual colour shift effect with a dynamic 3D finish. The result is a robust new banknote security feature that performs well in circulation and has been developed to help people authenticate genuine banknotes with confidence.

MEMORABLE AND EASY TO AUTHENTICATE
While banknotes made with RELIEF™ may appear textured, the technology used is sharper than physical embossing. It allows for even more precise detail, creating a look of visual tactility on a perfectly flat smooth surface.

ELEGANT AND VERSATILE

Available as a security thread, RELIEF™ widths start at 3mm, and any visual effects can be magnified up to widths of 6mm.

When used as a patch or a stripe, RELIEF™ can be applied with or without a transparent window to fully utilise the large display area.

The combination of RELIEF™ with a transparent window is exceptionally appealing. When held against the light, RELIEF™ appears to be transparent, while when held against a dark background, the 3D colour shift effect appears before the eyes with a striking pop of visual detailing.

THE BENEFITS OF RELIEF™

With RELIEF™ you can create:
- 3D designs without a variation in thickness
- Striking colour shifts
- Intriguing texture-like effects
- Secure 3D Cleartext
- Banknotes with magnetic properties

Available widths:
- 3mm to 6mm

Colour shift range:
- Red – Orange
- Orange – Green
- Blue – Purple
- Green – Blue
- Gold – Green
In this configuration, areas that appear to protrude from the surface of the front side of the note appear to be sunken from the reverse side of the note. This reinforces the illusion of embossing.

A ROBUST AND DURABLE SECURITY THREAD

Thanks to the non-embossed, machine-resistant 3D effect of RELIEF™ threads and foils, RELIEF™ products are thinner than existing alternatives and designed to resist the physical pressures of being used in circulation.

RELIEF™ can be printed over, and banknote paper that includes RELIEF™ can be varnished without damaging any visual aspects of the note. A versatile security thread, conventional features like cleartext and magnetism can also be included in the element structure.

AN ECO-FRIENDLY SECURITY THREAD

As a fully printed thread, RELIEF™ provides the global banknote market with an option to choose a durable yet eco-friendly security thread. And because no metallisation or demetallization is necessary to include Level 2 and/or Level 3 security characteristics in the thread, manufacturing processes that have a high impact on the environment are not needed.

In terms of sustainability, the environmental impact of RELIEF™ threads is lower than that of notes which contain metallic elements. At the end of their lifecycle, RELIEF™ threads can be recycled easily.

A NEXT-GENERATION SECURITY THREAD

The discovery of RELIEF™ represents a dynamic breakthrough in the banknote security features industry. This unique feature combines a remarkable 3D effect with a vivid colour shift effect to produce banknotes that are easily authenticated with confidence.

Available for use as a security thread, patch or stripe, RELIEF™ marks a future-forward shift in the fiduciary industry from Oberthur Fiduciaire.

OBERTHUR FIDUCIAIRE

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Micro-Marques™ & Planchettes

With over forty years of experience producing security components for use in paper, you can rely on the integrity and quality of our products.

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