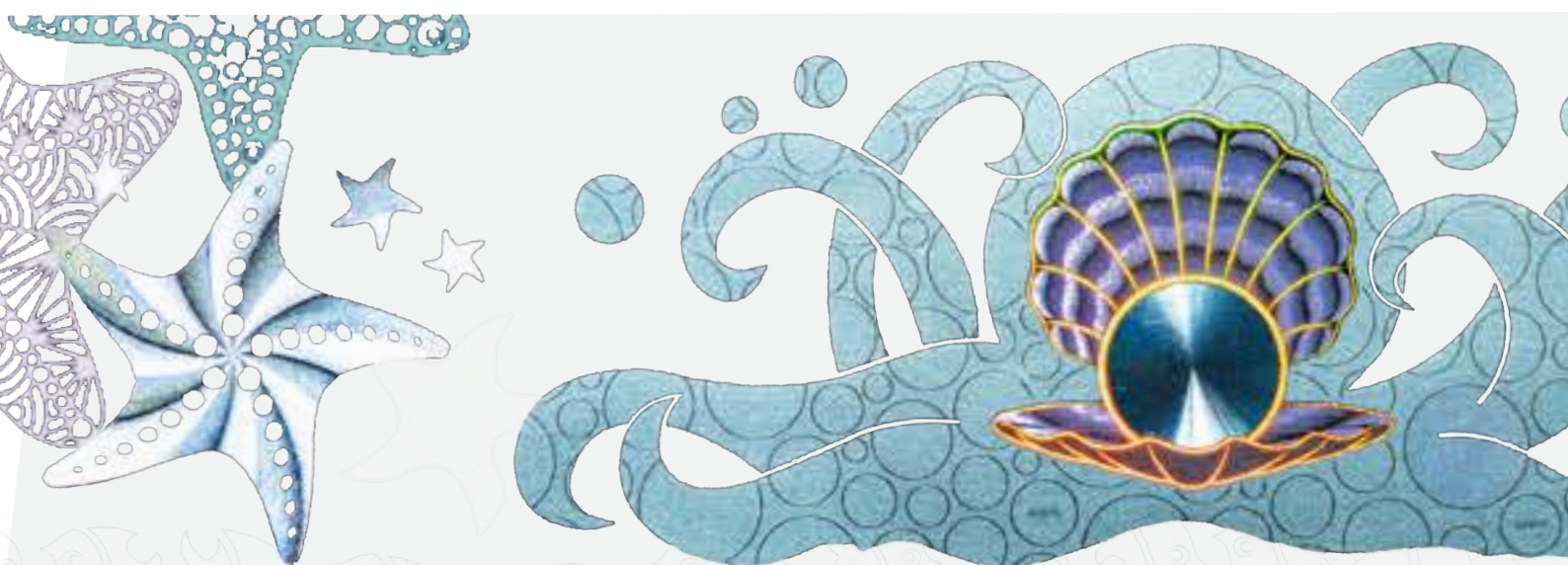




Plasmogram™ Reverso

A BREAKTHROUGH IN COLOR COMBINATIONS

State of the art optical technologies for polymer windows.



Disruptive, easy to authenticate and robust

It is part of IN Groupe's mission to imagine, develop and propose to Central Banks highly sophisticated optical features in order to help them provide currency denominations the general public can trust.

Plasmogram™ Reverso is an innovative and exclusive feature which combines all the required attributes for a quick recognition from the public.

Plasmogram™ Reverso reveals disruptive, colors on the front side and different gold colors on the backside. Moreover, a third set of color, in perfect registration, appears when looking against the light creating a kind of colored "watermark" in the transparent window of the polymer banknote making the feature easy to authenticate and to educate.

Based on plasmonic sciences and nano-technologies, IN Groupe Currency Plasmogram™ Reverso technology enhances the protection of transparent windows in polymer banknotes from all substrates providers.

- Usual means of authentication: look, look-through and tilt
- Vivid eye-catching metallic colors
- 3 set of colors: front, back, transvision



KEY FEATURES

PUBLIC AWARENESS

Self-explanatory method of authentication.

DESIGN DIVERSITY

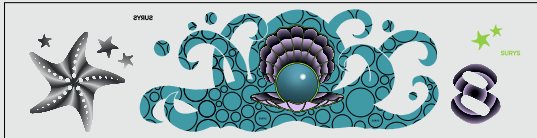
Endless design possibilities
Stripe or patch form factor.

ROBUSTNESS

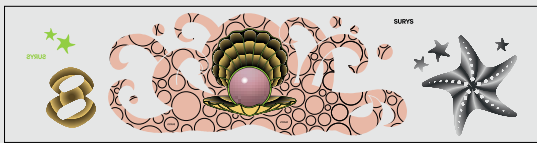
Perfect registration of colors.
Highly resilient to counterfeiting.

1st Level authentication

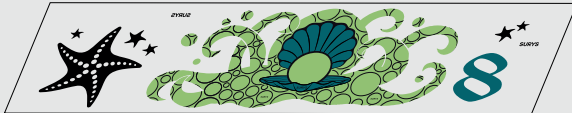
Front



Back



Transvision



Front and back sides showcase different metallic color pairs.
A unique 3rd set of colors is revealed when the stripe is looked in transmission.

All the 3 different color pairs are in perfect registration.

Alphagram™ technological bricks are added to the design.

 White diffraction animation

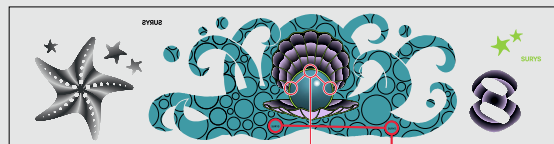
 Plasmogram™ Reverso
Dynamic lens effect

 Diffraction color

 Plasmogram™ Reverso
3D effects

2nd Level authentication

 Microtext



≈ 125 μm



≈ 250 μm