

## The durability of banknotes and their quality in circulation

are at the heart of central banks' concerns and consequently of banknote substrates makers and printers.

The conditions of circulation of low denomination banknotes may be particularly aggressive, especially in high demanding environments.

In order to last, banknotes have to meet the following three criteria:

- resistance to soiling,
- resistance to ink abrasion,
- mechanical resistance.

## The EVERFIT® technology The optimal multi-layered banknote

EVERFIT® is a proven technology that consists in laminating both sides of a banknote printed onto a 100% cotton substrate.

It results from the combination of a specific paper formula, a highly adhesive film and optimal laminating conditions on a dedicated machine.

Adhesive Protective Film

Printed and Secure Paper Banknote

Lamination with Temperature and Pressure

To know more :



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BANQUE DE FRANCE  
EUROSystème

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# EVERFIT®

Banknote made durable

Limulidae

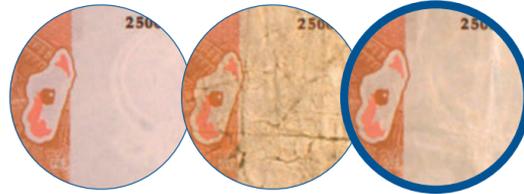


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# EVERFIT®

a soil-resistant solution

4.3\* times improved soil resistance compared to varnished banknote paper.



New banknote

6 months varnished banknote

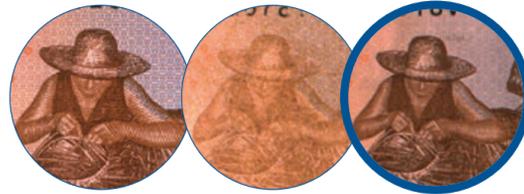
12 months EVERFIT® banknote

\* Circulation trial in Madagascar.

# EVERFIT®

a solution against ink abrasion

Inks and security features are totally protected by the film during the entire lifespan of the banknote, which can therefore still be authenticated until the end of its life.



New banknote

6 months varnished banknote

12 months EVERFIT® banknote

# EVERFIT®

a solution to improve mechanical resistance

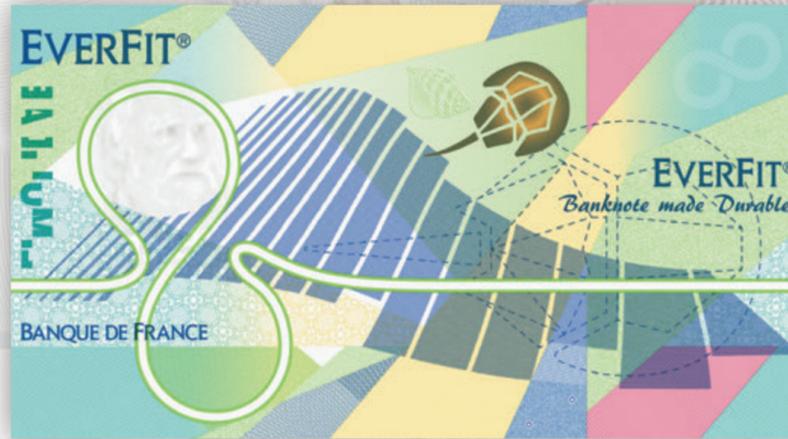
Due to its composition it is more resistant to:

- double folding thanks to two protective films
- tear thanks to the structure of the cotton substrate.

	Double Fold (Lab results)	Tear Resistance (Lab results)
Paper	2 000 - 3 000	600 - 700
Polymer	> 50 000	200
<b>EverFit®</b>	<b>&gt; 50 000</b>	<b>650</b>



« EACH SLIGHT VARIATION OF A TRAIT IN AN ORGANISM, IF USEFUL, IS PRESERVED »  
CHARLES DARWIN



Natural selection, survival of the fittest. Since the beginning of life on Earth, life has adapted, improved itself and overcome its environment. Evolution is a perpetual change in the forms life can offer. Sometimes, as the simplest is the best, when a form is in perfect harmony with its surroundings, evolution stops and a paradigm is created... time itself freezes.

Crawling the Earth for over 500 million years, Limulidae is an example of such a paradigm.

Nicknamed the Horseshoe Crab, it has an external shell that has enabled it to survive 4 mass extinctions. Its natural shield has been demonstrated to offer the best protection available against all environmental conditions, from the most benign to the harshest.

Inspired by nature, EverFit® is a new generation of banknotes that offers outstanding durability in circulation thanks to an adhesive protective layer added in a finishing step.

In addition to its external shell, Limulidae has a unique inner system. Best known for its peculiar blue blood, the Horseshoe Crab has a very efficient immune system, capable of detecting pathogens at very low concentrations.

From its DNA to the outer shell, EverFit® is a specific technology that offers the best resistance to the circulation environment, while retaining the most resilient security features.

EverFit®, like the Limulidae, is durable by design.

EverFit®, Banknotes that have evolved. Banknotes made durable.



## TRILUMIC® WINDOWED THREAD

Invisible in daylight and bringing an extremely brilliant true-colour halftone image under UV light, Banque de France and Hueck Folien introduce TRILUMIC® thread. Embedded as a de-metallized windowed thread in EverFit®, TRILUMIC® adds a highly attractive function for the public.



## TWIN UV®

With 15 years of experience in the enhanced UV security feature, Banque de France, in collaboration with SICPA, introduces TWIN UV®, a bright UV fluorescence Level 2 feature.



## SEALGN@TURE®

What if we told you that you could embed the digital world in physical currency? SEALGN@TURE® is that missing link. With a proprietary printed code that deteriorates through image acquisition and copying, SEALGN@TURE® allows your currency to be authenticated with the ease of a smartphone or using a dedicated reader.



## SPARK® LIVE

There's no need to introduce the most widely used Level 1 security feature in the world. EverFit is compatible with the state of the art OVMI security feature that is SPARK® LIVE.



## TACTILITY

Getting tired of your intaglio print being worn off and losing tactility over time? Thanks to the protection offered by EverFit® intaglio lasts for longer in the field with few compromises on tactility. Feel it yourself.

