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Banknote Paper

Cornerstone[®] and Edgestone[™]

Cost effective durability



PORTALS



Banknotes are meant to be used and spent, but that means they will get folded, torn and dirty over time. Reducing the quantity of rejected and worn out notes, by increasing durability helps to reduce your replacement rates and to ultimately save money.

Cornerstone® and Edgestone™ tackle two of the most common factors for banknotes being removed from circulation – folded corners and tears to the edges.

Cornerstone uses watermark technology to strengthen the corners of the banknotes meaning that they are less prone to folding. Compared to a conventional banknote, stiffness is increased by on average 60%.

Licensed to many papermakers, and adopted by more than 60 countries around the world, Cornerstone is the most popular durability solution in the world.

Edgestone protects against tears by increasing the density of cotton fibres along the long edges of the banknote. This extra fibre increases the strength of the banknote and makes it harder for tears to occur and to propagate.

Measured by the TAPPI (Technical Association of the Pulp and Paper Industry) T470 test method, the only industry standard test for measuring the force required to initiate a tear, printed banknote paper is on average 30% stiffer with the addition of Edgestone.



Benefits

- Saves money with fewer banknotes being rejected for destruction due to corner folds or torn edges
- Excellent handling and printability of the paper as the additional watermarks provide especially flat ream profiles
- Improved appearance of banknotes in circulation
- Simple to adopt – no change required for cash processing machines or ATMs
- Minimal cost impact
- No impact on printing processes

Technical Information

Property

Impact on paper weight (grammage)

Impact on paper thickness

Impact on physical resistance properties

Impact on printing processes

Compatible with all security threads

Compatible with foil stripes

Compatible with cash processing machines

Compatible with ATMs

Impact of Cornerstone® & Edgestone™

Some impact due to increased density of protected areas – talk to us to understand more

None

Positive improvement to corner and edge stiffness

None

Yes

Yes

Yes – no modifications required

Yes – no modifications required

Contact

For more information on Cornerstone® and Edgestone™ or to find out more about our portfolio of features designed to enhance the durability of your banknotes, please contact us at info@portalspaper.com