

THE RENEWABLE MATERIALS COMPANY

Every Flute Counts

For a retailer, every banana counts.
For a distributor, every box counts.
For a brand owner, every shipment counts.
For the one transporting cargo, every gram counts.
For the converter, every second counts.

For everyone of us, every day counts
in making a more renewable future.
And that's exactly why every flute counts.
We welcome you to explore the new possibilities
offered by the new AvantFlute SC+ by Stora Enso.

New and Improved
AvantFlute SC+



It was top of the line. Now it's even better.

Launched in 2018, AvantFlute SC+ is Stora Enso's improved high quality semi chemical fluting made from pure Nordic virgin fibre. Enhanced from its earlier version, the new fluting offers superior performance in every step of the supply chain.



1 - Maximum protection through superior strength

The improved material strength of AvantFlute SC+ keeps products safe during long transports and complex logistic chains. It also introduces further opportunities for lightweighting and cost savings.



2 - Less spoilage through high purity and moisture-resistance

Thanks to the pure virgin fibre, AvantFlute SC+ is a clean and hygienic product, perfect for food packaging. The new version is also even more moisture resistant, protecting the cargo in humid conditions.



3 - Better production performance through excellent runnability

Remarkably improved fluting profiles offer now even higher quality consistency and therefore better runnability at the corrugators. This means AvantFlute SC+ is good for your production performance.



4 - Lower carbon footprint through energy saving and renewability

As a total result of all the improvements, we expect to lower the carbon footprint of the corrugated boxes significantly by using less raw material and energy. This means more sustainable packaging.

Not just better test results, but a better way of testing

Traditional ways of testing, such as CMT and CCT, indicate that AvantFlute SC+ is well on its way to be the quality leader in semi chemical flutings.

But there's more. We're introducing a more accurate way of predicting corrugated box strength. We call it **CMT first peak**. CMT first peak measures the maximum force at which fluting is still able to recover to its original performance.

We've found that CMT first peak is able to provide more accurate test results, meaning required safety will be achieved with smaller safety margin. This means you'll need less materials to achieve same corrugated board performance.

Ask our specialists more!

CMT max test is prone to show highly variable results for the exact same sample. First peak point is more accurate on both CMT for containerboard material and FCT for corrugated board than maximum point.

