

SurfSHIELD™ Coated and laminated papers
FluteSHIELD® High-performance medium

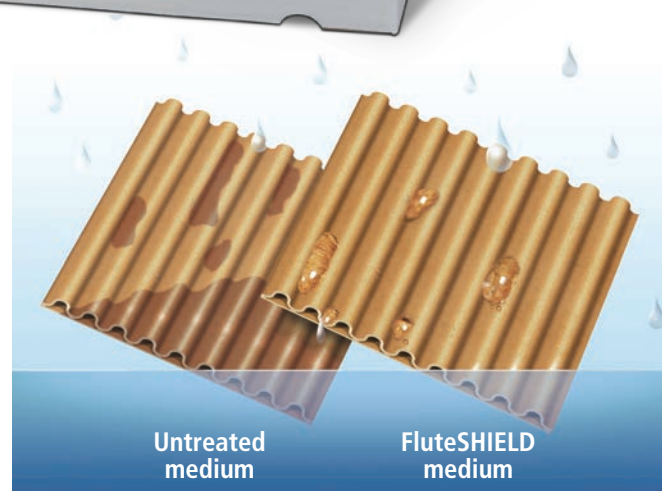
Produce Carton Materials Guide

Produce boxes coated with paraffin wax could soon be a thing of the past. Sure, they will stand up to contact with water. The downside is, they can't be easily recycled. But now, new paper treatments have been developed to keep your cartons standing strong all the way to the retailer. And the retailers love them because the cartons are fully recyclable.

Produce protection AND environmental protection

Boxes made with FluteSHIELD® high-performance corrugated medium and liners with SurfSHIELD™ coatings and laminates offer the best of both worlds—they stand up stronger and last longer in wet and humid environs while remaining both recyclable and repulpable.

When a board liner is coated or laminated with specialty resins or films, fiber containers can protect products from outside conditions and from the paper-damaging properties of the packed products themselves.



Medium that runs like a champ

FluteSHIELD medium employs innovative, heat-activated chemistry during the corrugating process to render the medium water repellent. This real medium—either semi-chem or recycled—will run at desired corrugator speeds. And converters love that the trim is repulpable.

Effective on all standard basis weights, FluteSHIELD medium meets UN Cobb (achieves 30 minutes Cobb <math><100\text{g/m}^2</math>).

Leading the way in coating and lamination innovations

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Your best pick for produce

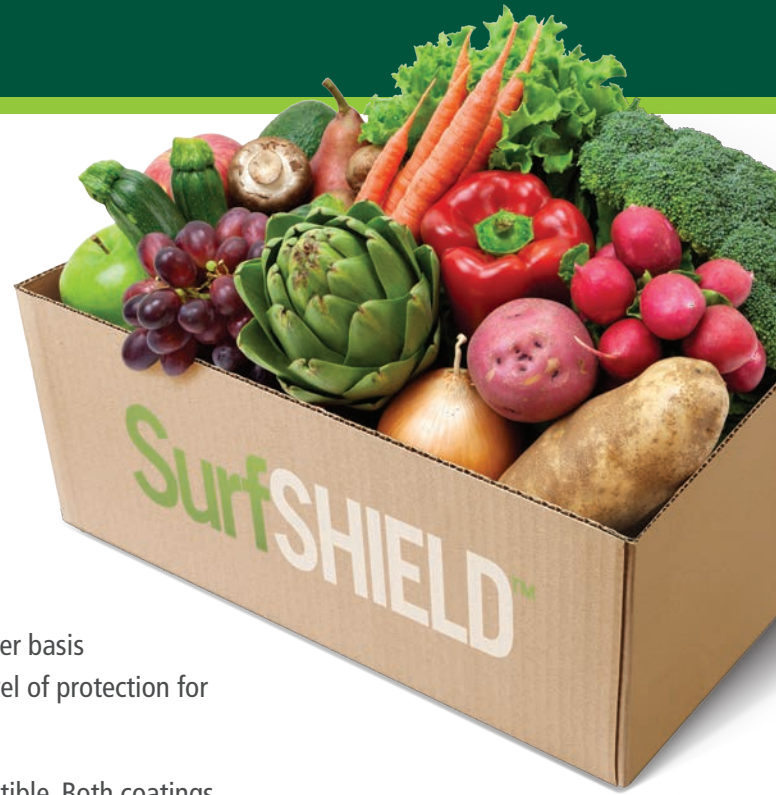
All cartons created with the advantage of SurfSHIELD™ coatings and laminates as well as FluteSHIELD® medium are recyclable and repulpable. They are FDA and CFIA compliant for direct food contact as well.

Whatever gets grown, picked and packed—from strawberries and peaches to cabbages and cucumbers—will benefit from the strength and resources of Cascades Sonoco.

Regular Cobb? Super Cobb? Or Plus?

SurfSHIELD coatings and laminates can be applied to all standard liner basis weights. With three different options, they offer you just the right level of protection for you specific need:

- **Regular Cobb** and **Super Cobb** are hotmelt and coldset compatible. Both coatings offer the benefit of water hold-out in addition to being flexo printable.
- The SurfSHIELD **Plus** coating is highly water repellent. It is recommended when water and ice are to be kept in the box for prolonged periods of time.
- All three have an anti-blocking treatment to ease handling into the sheet feeder.



CFIA and FDA food contact

All products are recyclable, repulpable and hotmelt glueable

Grades	Typical use (examples)	Water repellency	Water hold-out	Coldset glueable	Flexo printable
Ideal for use with fruits and vegetables					
SurfSHIELD Regular Cobb	Inside or outside liner for strawberry tray	MED	MED	YES	YES
SurfSHIELD Super Cobb	Inside and outside liner for cabbage corrugated box	HIGH	HIGH	YES	YES
SurfSHIELD Plus	Inside liner for peach corrugated box	HIGH	HIGH	NO	NO



Contact your Cascades Sonoco representative today and learn how FluteSHIELD high-performance corrugated medium and SurfSHIELD coatings and laminates can give your produce the best of both worlds. Ask us about developing a cost-competitive solution for you.