



The Biofore Company **UPM**



## Tamper Evident Laser F-cert PCW30 For package integrity and product authentication

UPM Raflatac's Tamper Evident Laser F-cert PCW30 is a true security asset. This hardy, laser-printable, white, uncoated face paper has a tamper evident feature that resists efforts to remove it from a product or package. If altered, this product splits apart internally, displaying noticeable damage to the label face and leaving a paper fiber residue that is visible to all.

Used as a closure label, Tamper Evident Laser F-cert PCW30 reveals any attempt to open a package and tamper with a genuine product. Security can be further enhanced with the addition of die-cut slits.

Tamper Evident Laser F-cert PCW30 is paired with RP51, a multipurpose permanent adhesive, and a 60# White Kraft (3.2 mil.) liner to meet the needs of a wide array of consumer goods labeling applications. And it is printable using all conventional print methods, including laser, flexo, UV flexo, offset and gravure.

- White, uncoated face paper with tamper evident feature
- Impossible to remove in one piece, visibly displaying damage
- Authenticates brands and products
- FSC-certified, 30% post-consumer waste
- Printable using all conventional technologies

**UPM RAFLATAC**

# UPM RAFLATAC TECHNICAL INFORMATION

06/2010 AM LS155A

PRODUCT	TAMPER EVIDENT LASER F-CERT PCW30 RP51 60# WHITE KRAFT (3.2 mil.)	
Sales code	LS155A	
Caliper	7.9 mil.	
Substance weight	122 lbs/ream (25 x 38")	
	<i>This product is FSC-certified by the Forest Stewardship Council.</i>	
FACE	TAMPER EVIDENT LASER F-CERT PCW30	
	FSC-certified, uncoated machine finished paper with tamper evident feature.	
	Paper is made using 30% post-consumer waste fibers.	
Substance weight	50 lbs/ream (25" x 38")	ISO536
Caliper	4.2 mil.	ISO534
Scott bond	max. 125 0.001 ft-lbs/in <sup>2</sup>	TAPPI T569
Smoothness	220 microns PPS10	ISO8791-4
Opacity	89%	ISO2471
Brightness D65	105	TAPPI T525
ADHESIVE	RP51	
	Modified acrylic dispersion. Permanent adhesive with good adhesion to all normal substrates including non-polar surfaces, film and corrugated board.	
	Good low temperature performance.	
Tack minimum	14 N FTM 9	
Shear minimum	1.0 h FTM 8	
PE-looptack minimum	10 N modified FTM 9	
Minimum labeling temp.	32 °F	
Service temp. range	-4 °F ... 176 °F	
	Not recommended for labeling highly curved surfaces.	
LINER	60# WHITE KRAFT (3.2 mil.)	
	White, one-side coated kraft liner. For roll-to-sheet/VIP labeling. Suitable for fanfold applications.	
Substance weight	53 lbs./ream (24" x 36")	ISO536
Caliper	3.2 mil.	ISO534
Tensile strength MD	35 lbf/in.	ISO1924
Opacity	87 %	ISO2469
	Not to be used in photocell dispensing.	
Shelf life	Labelstock with RP51 adhesive can be stored for 4 years from the date of manufacture if stored at room temperature (68 °F) and RH 50% in original packaging and protected from light.	
Warranty	Our recommendations are based on our most current knowledge and experience. As our products are used in conditions beyond our control, we cannot take responsibility for any damage caused through their use. This technical sheet replaces all previous versions. All information is subject to change without notice.	

