

# EnShield®

## Consumer tastes vary. Dislike of unsightly grease stains is universal.

You don't have to resort to poly-coated board or fluorocarbon-treated packaging to eliminate visible grease stains. Instead, you can turn to EnShield®. It delivers unique performance characteristics that make it an ideal solution for many retail food and foodservice applications, including takeout, bakery and frozen food. If you're looking for a higher level of oil and grease resistance than traditional SBS paperboard can provide, turn to EnShield.

### Packaging uses

Foodservice  
Takeout Packaging

Bakery

Frozen Foods

### Product Classification

Solid Bleached  
Sulfate

SBS Paperboard

G Z

### What You Can Expect from Us

**Oil and Grease Resistance**

Equivalent performance to poly-coated SBS board for many applications in takeout, bakery and frozen food.

**No LDPE**

Enables brands to make excellent sustainability claims.

**No Fluorocarbons**

Eliminates this sustainability concern.

**Repulability**

Fully repulpable, improving packaging end-of-life options versus poly-coated SBS.

**Improved Lead Times**

Since EnShield is not extruded, you can expect improved lead times that compare to lead times of other on machine paperboard grades.

### Additional Product Information

**Sustainability**

Recyclable.  
All WestRock North American paperboard mills are certified to the SFI®, PEFC™, FSC™ Chain of Custody Standards. Contact your WestRock sales representative for certified fiber availability for this product.

**Food Contact**

Meets multiple national requirements for food contact packaging, e.g., US, Canada, Germany and the EU. Contact your sales representative for information on specific markets and end uses.  
ISEGA Certificate available.

**Quality**

Produced at an ISO 9001 certified facility.

**Environmental and Safety**

Notices under US California Proposition 65 and the EU REACH regulation are not required.  
Elemental chlorine free (ECF) bleached fiber.  
Meets heavy metal limits of the US Model Toxics in Packaging rules and Article 11 of EU Directive 94/62/EC.

## Grade Availability & Typical Board Properties (U.S.)

EnShield®

Grade Availability by Caliper		Print Side Target Values					Units	Method
Caliper (pts)		0.012	0.014	0.016	0.018	0.020	inches	T-411
Nominal Basis Weight		145	163	182	199	212	lbs/3000 sq ft	T-410
Moisture		5.8	5.8	5.8	5.8	5.8	percent	T-412
GE Brightness		84	84	84	84	84	percent	T-452
Parker Print		1.6	1.6	1.6	1.6	1.8	µm	T-455
Internal Bond		80	70	70	70	60	.001 ft-lb/sq in	T-833
<b>Stiffness</b>								
Taber 15°	MD	80	110	160	195	240	gcm	T-489
	CD	35	55	80	100	115	gcm	T-489
<b>Color</b>								
Hunter	a	-0.8	-0.8	-0.8	-0.8	-0.8	L-a-b	T-524
	b	1.5	1.5	1.5	1.5	1.5	L-a-b	T-524
<b>Barrier/Back Side Target Values</b>								
Oil and Grease Resistance (OGR)		5+	5+	5+	5+	5+	3M Kit	T-559

## Grade Availability & Typical Board Properties (Metric)

Grade Availability by Weight		Print Side Target Values					Units	Method
Thickness		305	356	406	457	509	microns	T-411
Nominal Basis Weight		236	265	296	324	345	gsm	T-410
Moisture		5.8	5.8	5.8	5.8	5.8	percent	T-412
GE Brightness		84	84	84	84	84	percent	T-452
Parker Print		1.6	1.6	1.6	1.6	1.8	µm	T-455
Internal Bond		168	147	147	147	126	J/m2	T-833
<b>Stiffness</b>								
Taber 15°	MD	8.3	11.8	16.7	21.6	27.5	mNm	T-489
	CD	4.4	5.9	9.3	11.8	15.2	mNm	T-489
<b>Color</b>								
Hunter	a	-0.8	-0.8	-0.8	-0.8	-0.8	L-a-b	T-524
	b	1.5	1.5	1.5	1.5	1.5	L-a-b	T-524
<b>Barrier/Back Side Target Values</b>								
Oil and Grease Resistance (OGR)		5+	5+	5+	5+	5+	3M Kit	T-559

Values are subject to change without notice.

For more information, please contact your WestRock representative or visit our website at [westrock.com](http://westrock.com).

The information contained in this Product Guide is accurate to the best of WestRock's knowledge and belief. It is intended, however, only as an introduction to the typical properties of the product. WestRock disclaims any guarantee or warranty with respect to the accuracy of this information or, based on this document, with respect to the suitability of the product for any particular use, including, but not limited to, the compliance of the product with laws, regulations, or standards. This information is subject to change without notice.

Certificate Codes: SFI Certified Sourcing: NSF-SFI-CS-6S751, SFI CoC: NSF-SFICOC-6S751, PEFC: NSF-PEFCOC-6S751, FSC Company Code: FSC-C104002

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