





HIGH PERFORMANCE VPCI® PACKAGING

EcoShield® Super Barrier Paper

Environmentally acceptable replacement for polycoated and waxed papers, RECYCLABLE AND REPULPABLE, patent pending



DESCRIPTION

EcoShield® Super Barrier Paper is a high gloss version of EcoShield® Paper. EcoShield® Super Barrier Paper offers better Moisture Vapor Transmission Rate (MVTR) compared to typical polycoated and waxed papers. Its shiny barrier side will also repel liquid water but is not intended for applications involving constant water contact. This product also shows excellent oil and grease resistance.

EcoShield® Super Barrier Paper is made with a water based barrier coating. One of its key features is that it is fully repulpable and recyclable, contrary to other barrier packaging products such as polycoated or waxed papers; so there is no need for costly processes to separate the paper base from the coating.

TYPICAL APPLICATIONS

EcoShield® Super Barrier Paper can be used in a variety of applications, including wrapping oily and greasy parts, as well as other moisture sensitive components. Additionally, EcoShield® Super Barrier Paper can be used as a liner for wood pallets and inside corrugate boxes, to provide a barrier against moisture or other corrosive elements that can leach out of these materials.

It may be used for product packaging or as a disposable cover to keep work surfaces clean.

FEATURES

- Barrier coated paper
- Very low Moisture Vapor Transmission Rate (MVTR), even better than that of polycoated or waxed paper
- Excellent oil and grease resistance (3M Kit value of 12)
- Fully recyclable (repulpable)
- Non-toxic, environmentally friendly

ITEMS PROTECTED

- Metal parts
- Moisture sensitive items

TYPICAL PROPERTIES

Property	TAPPI	Unit	EcoShield® Super Barrier Paper
Basis Weight	T-410	lb/3,000 (g/m²)	45 <u>+</u> 3 (73 <u>+</u> 5)
Water Absorption (Cobb)*	T-441	g/m²	0.22 <u>+</u> 0.06
Caliper	T-411	Mil (µm)	4.5 <u>+</u> 3 (114 <u>+</u> 12)

^{*} Tested for standard 120 seconds

WATER VAPOR BARRIER PROPERTIES

	EcoShield® Super Barrier Paper	Polycoated Paper	Waxed Paper
WTR** (g/hour*m²)	0.32-0.37	0.47-0.71	6.5-6.9

**Tested according to ASTM E-96, 73°F, 50%RH, Example test ranges for: EcoShield® Super Barrier Paper, a comparable polyethylene coated paper (40# 3msf paper, 6# PE coating) and commercial waxed paper.



STANDARD TEST METHODS

TAPPI T-410	Basis Weight
TAPPI T-411	Caliper
TAPPI T-441	Cobb Water Absorption
TAPPI T-452	Brightness of pulp, paper, and paperboard
ASTM F88-99	Seal strength of flexible barrier materials

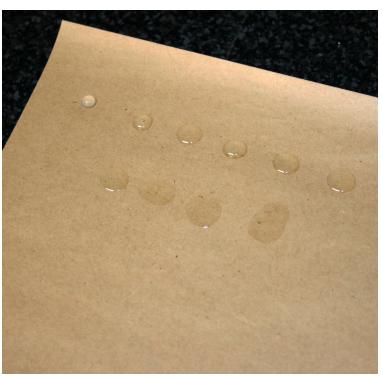
PACKAGING AND STORAGE

EcoShield® Super Barrier Paper is available in 45#/3msf (73 g/ m²) paper.

Custom sizes and construction are available upon request including:

- Basis weights from 35#/3msf (57 g/m²) to 42 point liner board $(205 g/ m^2)$
- Widths up to 90" (2.29 m)
- 3" or 6" (7.6 or 15.2 cm) cores
- Custom printing
- As sheets or perforated rolls







LIMITED WARRANTY

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