

# Hansol Paper,

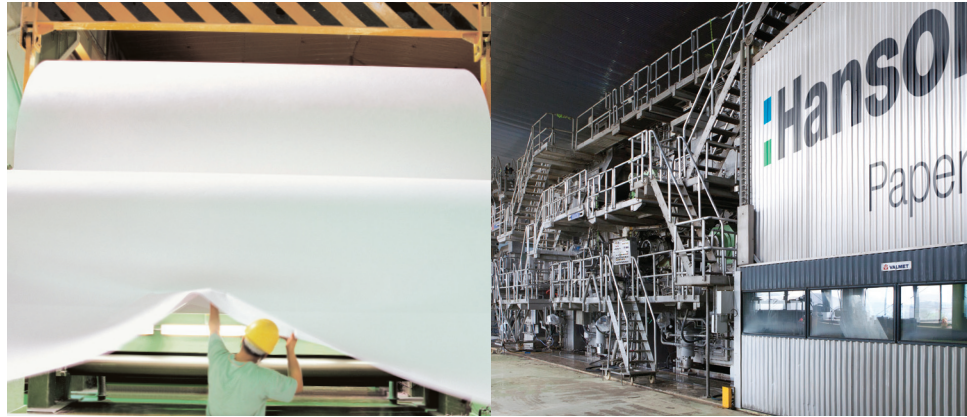
Design your Barrier Packaging  
from Flexible to Rigid !





Design your Barrier Packaging from Flexible to Rigid !

## PAPER MILLS



### JANGHANG MILL

Printing & Writing Paper, Thermal / Label Paper

### SHINTANJIN MILL

Printing & Writing Paper, Thermal / Label Paper

### DAEJEON MILL

Packaging Paper (Cartonboard)

### CHEONAN MILL

Specialty Paper

## RIGID PACKAGING MANUFACTURER

Hansol Eco Packaging (HOENGSEONG)

Tray, Box

## CERTIFICATES



The mark of responsible forestry

The FSC™ certifies by providing sustainable forest management and chain of custody certifications.



Hansol Paper won EcoVadis Platinum for 3 years in a row. Hansol provides sustainable products based on the criteria of EcoVadis.



Hansol Paper has been validated the company's sustainability leadership by acquiring Green Seal Certification.



Hansol Paper products are certified as causing relatively less pollution and using less resources in the production.



Hansol Paper guarantees the quality and eco-friendly features of a recycled product.



Hansol Paper has been conformed to ISO 14001, the internationally recognized standard for Environmental Management System



designed by Hansol

Hansol Paper has expertise in manufacturing product lines that contain recycled raw materials.

## PRODUCTS

### ECO-FRIENDLY PAPER & BIOMATERIALS

#### Hansol EB (Eco Barrier)

An eco-friendly paper packaging material that can replace plastic or aluminum by applying a special barrier coating to the paper surface



Hansol EB H

Hansol EB O Plus

Hansol EB O

Hansol EB HS

Hansol EB N

**EUDR COMPLIANT**

#### Terravas

An eco-friendly paper container with excellent recyclability by non-PE coating



SC (Square Container)

RC (Round Container)

HC (Hot Cup)

Straw

#### Duracle (Cellulose fibrils)

A new material made from microfibers of cellulose, the most widely spread and available natural substance on the planet



### Printing & Writing Paper

Textbooks, Books, Catalogs, Calendars, Brochures, Art books

### Thermal / Label Paper

POS and ATM receipt, Self-adhesive label (Facestock, Release liner), Tickets / Lottery

### Packaging Paper

Medicines, Confectioneries, Food & Beverage, Cosmetics, Electronics

### Specialty Paper

Bag, Box wrap, Hang tag, Stationery, Calendar

# HANSOL EB LINE-UP

HIGH barrier  
**EB H**  
**EB O Plus**

LOW barrier  
**EB O**

NO barrier  
**EB HS (Heat Sealable)**  
**EB N**

Test Condition WVTR: 38°C, 90% RH / OTR: 23°C, 0% RH

Barrier	High					Low		No	
Product	EB H			EB O Plus <sup>1)</sup>		EB O		EB HS <sup>2)</sup>	EB N
GSM	54	70	90	45+50	65+50	45	65	85	40
OTR	○	○	○	○	○	○	○	—	—
WVTR	○	○	○	○	○	—	—	—	—
Aroma	○	○	○	○	○	○	○	—	—
Oil	○	○	○	○	○	○	○	—	—
Heat sealable	○	○	○	○	○	—	—	○	—
Paper only	○	○	○	—	—	—	—	○	—
Lamination	○	○	○	○	○	○	○	○	○
Compatibility <sup>3)</sup>	○	○	○	○	○	—	—	○	—
End Uses	Bags, Sachets, Pouches					Bags, Sachets		Bags, Sachets, Pouches, Coating	
Main Application	Coffee bean bag, Drip bag, Tea bag		Skin care Patch	Cosmetic		Nuts, Snacks		Secondary Packaging	Confectionery & Snacks

\* Printing Method: All of type is available (Roto-gravure, Flexo, Offset, Digital)

1) EB O + Water Resistance PE

2) Heat Sealable

3) Compatibiltiy on existing FFS Packaging line

# Hansol EB H



Hansol EB(Eco Barrier) H is an eco-friendly paper material with excellent blocking and high seal performance. Hansol EB H enables oxygen, moisture, grease and aroma to be blocked by Barrier Paper itself. It is also a recyclable material that can replace aluminum and plastic

Hansol EB H: High Barrier Properties

## FEATURES

- Barrier Properties (Moisture, Oxygen, Aroma and MOAH / MOSH)
- Printability
- Recyclability

## PRODUCT USE

- Coffee / Tea
- Cosmetic
- Food
- Confectionery
- Household Goods
- Pet Food

## BASIS WEIGHT

- EB H 54g/m<sup>2</sup>, 70g/m<sup>2</sup>, 90g/m<sup>2</sup>

## TECHNICAL DATA

Test Condition WVTR: 38°C, 90% RH / OTR: 23°C, 0% RH

Category	Type (Unit)	GSM (g/m <sup>2</sup> )	Thickness (μm)	Moisture (μm)	Tensile Strength MD (Kg/15mm)	Oil Resistance Value (3M Kit)	WVTR (g/m <sup>2</sup> · Day)	OTR (cc/m <sup>2</sup> · Day)
Hansol EB	H	54	50±5	5.5±1.0	3↑	12	3↓	1↓
		70	61±5	5.5±1.0	3↑	12	3↓	1↓
		90	85±5	5.5±1.0	4↓	12	3↓	1↓

## CERTIFICATION

### • Company



Ecovadis



ISO 37301



FSC™

### • Product

The mark of responsible forestry  
FSC® C108816



### • Mill



ISO 14001



ISO 9001

# Hansol EB O Plus



Hansol EB(Eco Barrier) O Plus is an eco-friendly paper material with excellent blocking and high seal performance. EB O Plus product is made by laminating high-moisture barrier PE onto the EB O. Hansol EB O Plus enables oxygen, moisture, grease to be blocked

Hansol EB O Plus: PVDC Free, High Barrier Properties

## FEATURES

- Barrier Properties (Moisture, Oxygen, Grease and MOAH / MOSH)
- Printability
- Recyclability

## PRODUCT USE

- **Cosmetic**
- Coffee / Tea
- Food
- Confectionery
- Household Goods
- Pet Food

## BASIS WEIGHT

- EB O Plus 45g/m<sup>2</sup> + 50μm, 65g/m<sup>2</sup> + 50μm
- EB O 45g/m<sup>2</sup>, 65g/m<sup>2</sup>

## TECHNICAL DATA

Test Condition WVTR: 38°C, 90% RH / OTR: 23°C, 0% RH

Category	Type (Unit)	GSM (g/m <sup>2</sup> )	Thickness (μm)	Moisture (μm)	Tensile Strength MD (Kg/15mm)	Oil Resistance Value (3M Kit)	WVTR (g/m <sup>2</sup> · Day)	OTR (cc/m <sup>2</sup> · Day)
Hansol EB	O Plus	45+50	90±5	5.5±1.0	4↑	12	5↓	1↓
		65+50	110±5		6↑			
Hansol EB	O	45	45±5	5.5±1.0	3↑	12	—	1↓
		65	60±5	5.5±1.0	3↑	12	—	1↓

\* EB O Plus: EB O (45g/m<sup>2</sup> / 65g/m<sup>2</sup>) + Water Resistance PE 50μm

## CERTIFICATION

• Company



Ecovadis



ISO 37301



FSC™

The mark of responsible forestry  
FSC™ C108816

• Product

• Mill



ISO 14001



ISO 9001



# Hansol EB HS (Heat Sealable)



Hansol EB(Eco Barrier) HS is an eco-friendly paper material with heat seal performance. This product contains over 90% fiber content, fully complies with PPWR Standards.

Hansol EB HS: Heat Sealable, No Barrier Coating

Secondary Flexible Packaging for Food and Confectionery

## FEATURES

- Heat Sealable
- Printability
- Compatibility (on existing FFS Packaging Line)
- Recyclability
- Suitable Lamination

## PRODUCT USE

- **Secondary Packaging**
- Dry Food
- Frozen Food
- Confectionery

## BASIS WEIGHT

- EB HS 85g/m<sup>2</sup>

## TECHNICAL DATA

Test Condition WVTR: 38°C, 90% RH / OTR: 23°C, 0% RH

Category	Type (Unit)	GSM (g/m <sup>2</sup> )	Thickness (μm)	Moisture (μm)	Tensile Strength MD (Kg/15mm)	Oil Resistance Value (3M Kit)	Heat Sealable Strength (N/mm)	WVTR (g/m <sup>2</sup> · Day)
Hansol EB	HS	85	72±5	5.0±1.0	9↑	5	5↑	-

## CERTIFICATION

### • Company



Ecovadis



ISO 37301



FSC™

The mark of responsible forestry  
FSC® C108816

### • Mill



ISO 14001



ISO 9001

# Hansol EB N



Hansol EB N is a barrier base paper. It can be designed for lamination and applied to a wide range of applications. EB N is the excellent coating base for sustainable high barrier solutions.

## FEATURES

- Printability
- Recyclability
- Suitable Lamination and Converting

## PRODUCT USE

- **Confectionery & Snacks**
- Dry Food
- Household Goods

## BASIS WEIGHT

- EB N 40g/m<sup>2</sup>

## TECHNICAL DATA

Test Condition WVTR: 38°C, 90% RH / OTR: 23°C, 0% RH

Category	Type (Unit)	GSM (g/m <sup>2</sup> )	Thickness (μm)	Moisture (μm)	Tensile Strength MD (Kgf/15mm)	Oil Resistance Value (3M Kit)	WVTR (g/m <sup>2</sup> · Day)	OTR (cc/m <sup>2</sup> · Day)
Hansol EB	N	40	40±5	5.5±1.0	3 ↑	—	—	—

## CERTIFICATION

### · Company



The mark of responsible forestry  
FSC® C108816

### · Product

### · Mill





# TERRAVAS



Terravas uses a water dispersion coating instead of plastic PE and PP ensuring high recyclability. Terravas features a customized coating tailored to the type of container used, helping to optimize both cost and quality for customers. It achieves over 90% biodegradability in industrial composting and offers excellent water resistance, high-speed formability, and heat resistance.

Square type: Printability, Water / Oil Resistance, Glue Adhesive  
 Round type: Heat Sealable, High Performance of Water / Oil Resistance  
 PE film and mixed bonding possible for Lid

FEATURES	· Water dispersion Coating	· Food Safety
	· Recyclability	· Microwave Safe
	· Biodegradability	· Formability

PRODUCT USE	· Food Tray (Salad, Sandwich)
	· Food Box (Chicken, Burger, Meal-kit, Delivery)
	· Household Goods

BASIS WEIGHT	· Container 215g/m <sup>2</sup> ~ 370g/m <sup>2</sup>
--------------	---

TECHNICAL DATA						
Physical Properties	Unit	Square container		Round container		Test Method
		300g	370g	bottom 255g	side 340g	
Thickness	μm	355±10	400±10	315±10	375±10	ISO 534
Moisture	%	5.5±1.0	5.5±1.0	5.5±1.0	5.5±1.0	T 412 om-02
Bursting Strength	kpa	900↑	900↑	750↑	1,000↑	ISO 2758
Water absorption	Cobb10min	7↓	10↓	5↓	5↓	T 441 om-04
	Cobb30min	10↓	15↓	5↓	5↓	
Grease resistance	3M kit	6↑	6↑	6↑	6↑	3M kit
WVTR	g/m <sup>2</sup> · day	400↓	600↓	400↓	200↓	ASTM F1249
	(38°C, 90%RH)					

CERTIFICATION	· Company	· Product
	   	 
	Ecovadis	ISO 37301
· Mill	 	
	ISO 14001	ISO 9001

**Hansol Paper Co., Ltd. (Head Office)**

24F, B Tower, Fine Avenue, 100, Eulji-ro, Jung-Gu, Seoul, Republic of Korea

Tel. +82-2-3287-6186, 7649

E-mail. hanuk.jung@hansol.com

dj.lee0612@hansol.com

**Hansol America, Inc.**

400 Kelby St. Suite 601, Fort Lee, NJ 07024, USA

Tel. +1-201-461-6661

E-mail. kimwn@hansol.com

**Hansol Europe B.V.**

Ground Floor unit 24, Transpolis buidling C, Polarisavenue 1-101,

2132 JH Hoofddorp, Netherlands

Tel. +31-(0)23-7602-160

E-mail. sunghyunlee@hansol.com

m.omarov@hansol.com

**Hansol China**

RM3209, Maxdo Centre, No.8 Xingyi RD., Hongqiao Development Zone,

Shanghai, China

Tel. +86-21-5208-2008

E-mail. amyliu@hansol.com



Visit to Web Site



Visit to instagram

