Corporate Identity Rebrand

Record Growth

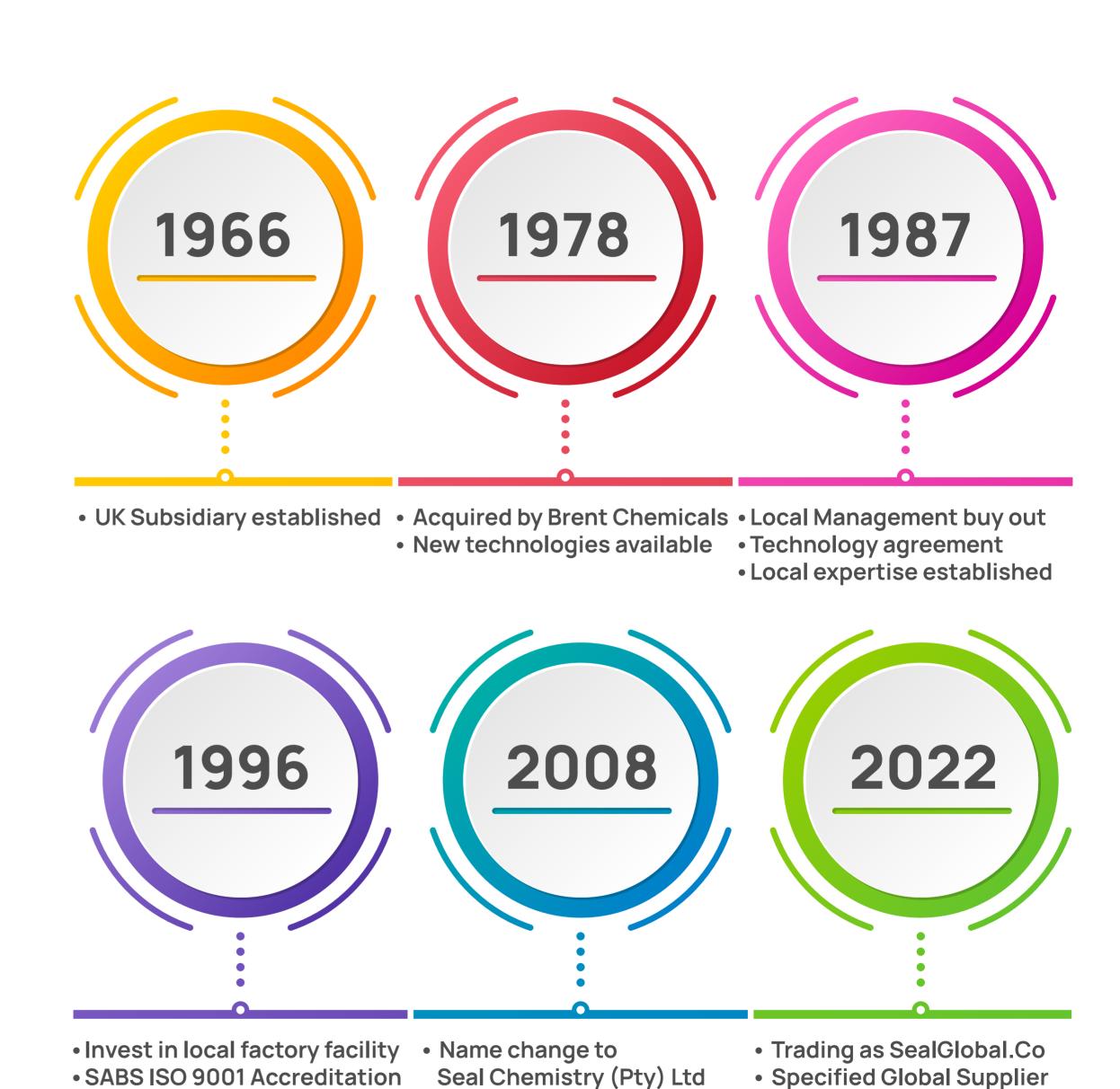


COMPANY FOOTPRINT

SealGlobal.Co® specializes in Sustainable Packaging Chemistry, offering lacquers, coatings, adhesives, and various technologies for all major converting processes and specialized products. Our equipped, innovative expert team supports this endeavor.

For over fifty years, we've leveraged international technologies and chemistries to create unique products tailored to diverse packaging needs. With numerous 'world firsts', we excel in supplying customers with distinctive products. Our exclusive manufacturing procedures and quality control methodologies ensure consistent delivery of high-end performance.

We collaborate closely with global converters and brand owners to develop purpose-made packaging that benefits the world. Since commissioning our purpose-built manufacturing plant in 1996, we've continuously upgraded our capabilities to maintain a market-leading supply.



New global technology

partners

Strong business growth



1-USE

40%



<9%



SINGLE USE PACKAGING IS SUFFOCATING THE PLANET

...OF ALL PLASTICS PRODUCED ARE FOR PACKAGING PURPOSES

...OF PLASTIC THAT IS ACTUALLY RECYCLED

15yrs



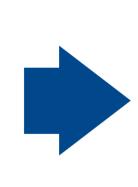


WASTE IS BUILDING UP AT A MONUMENTAL RATE

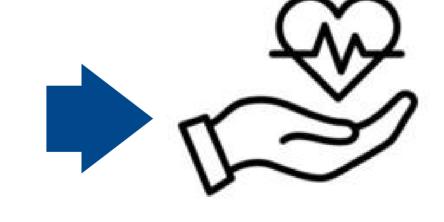
HALF OF ALLPLASTIC THAT HAS EVER EXISTED WAS MADE IN THE PAST 15 YEARS TIME IT TAKES FOR PLASTIC PACKAGING TO DECOMPOSE

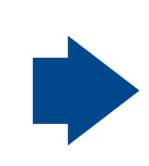


















THE PLASTIC WASTE IS
BUILDING UP IN
LANDFILLS AND
ENTERING OUR
OCEANS

IT IS SLOWLY
BREAKING DOWN INTO
ARGUABLY MORE
DANGEROUS
MICROPLASTICS

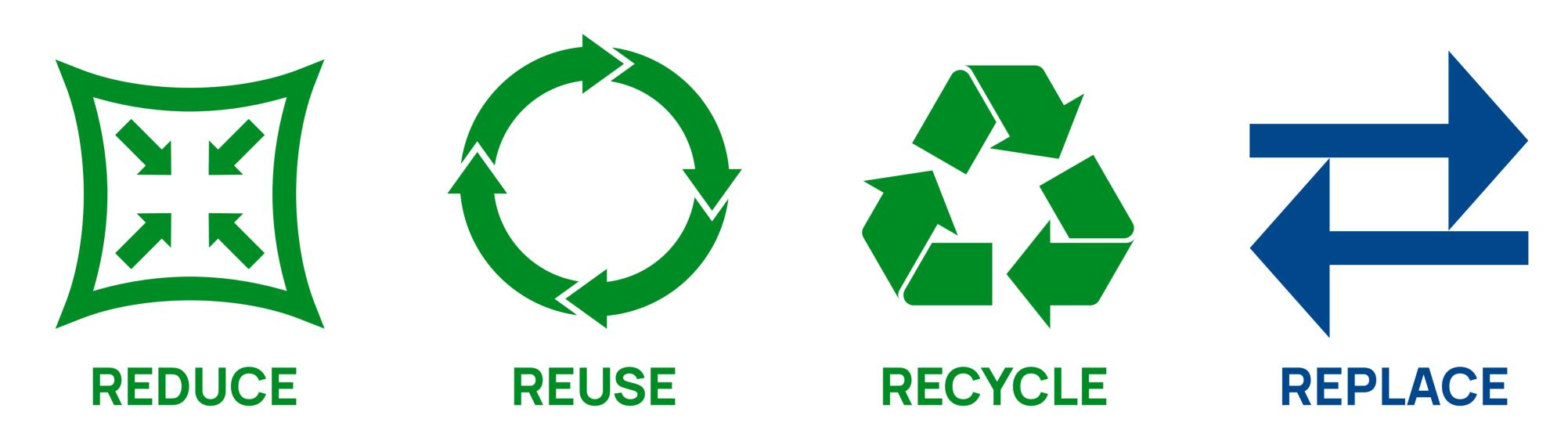
THIS NOT ONLY
THREATENS THE
VIABILITY OF CRITICAL
ECOSYSTEMS BUT
FURTHER IMPACTS
OUR HEALTH, FOOD,
WATER AND OUR AIR

THE SOLUTION IS NOT RECYCLING

WE NEED NEW
PACKAGING
SOLUTIONS THAT ARE
KINDER TO OUR ONE
AND ONLY PLANET



THE SOLUTION IS **NOT** MORE RECYCLING. INSTEAD THE ANSWER IS **ALTERNATIVE PACKAGING SOLUTIONS** THAT ARE MORE EARTH-FRIENDLY WITHOUT REDUCING THE FUNCTIONAL AND FISCAL BENEFITS OF THE PACKAGING.



AT SEALGLOBAL.CO WE CALL IT **SUSTAINABLE PACKAGING CHEMISTRY™**, WHICH IS:

- Replacement / reduction of plastics FMCG Packaging
- Reducing waste impact and pollution
- Acknowledging recycling plastics is a failure
- Speaking truth to the lie of The Circular Economy
- Exposing Greenwashing
- Where possible, achieve fully Ecologically Degradable Packaging
- Address the failures and myths of compostable and bio-packaging
- Maintain being totally fit for purpose
- Is economically more viable by way of yields and production processes
- The significant reduction of causes of the global Climate C.Rises™, by way of science-smart information and data
- Shortening supply chains
- Move FMCG Packaging away from plastic to coated papers, resulting in more global tree cultivation, reducing toxic carbon levels



CrispSeal®

Paper based Crisp/Snack packaging replacement



KandyKote®

Waxed Confectionery Wrapper replacement



NatroSeal®

Fully paper based Chocolate Flow Wraps



SupaKote®

Polyester film replacement for Soap Bars



FreezeKote®

Polyboard replacement for Frozen Foods



SUSTAINABLE PACKAGING CHEMISTRY®

FastSeal®

Grease, Fat & Oil Barrier for Fast Foods



SilvaSeal®

Paper wrap replacement for Marge-Laminate



LabelSeal®

Water based OPV for Labels to replace SB & UV



CupSeal®

LDPE Film Lamination free Cupstock



EnviroSeal®

Paper replacement for LDPE Film Laminated Condiments





WAX REPLACEMENT FOR CONFECTIONARY WRAPPERS

SOLUTION

KandyKote®

KandyKote® is Patented, water based technology for the replacement of hot wax coated wax confectionary wrappers



- V8 Gums, Fold & Seal
- HR Chews & Toffee
- OR Gums, Menthol & Cottonseed Oils









BENEFITS

- Eliminates production processes
- Reduced energy input costs
- Eliminates Wax and Suppling Inventories
- Construction will disintegrate in landfill
- Positive carbon footprint
- Faster wrapping line speeds
- Reduced landfill mass
- Improved brand owner yields
- Food safe patented chemistry
- Repulpable per Sappi ISO9001 and degradable
- Cost saving:
 - A Elimination of 2 print conversion processes and inventories
 - B Yield benefit

Case Study1 Chapelat Gum Table [2] – Yield

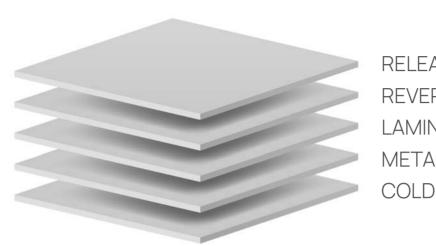
Product Description	Wrapper GSM	1000gr Wrapper M2	Wrapper Area mm2	Wrapper GSM	Pieces Per 1m2	Yield per 1kg Additional Pieces wrapped	
Chapelat, Wax Wrapper KandyKote® Wrapper	65.00 50.00	15.38 20.00	2400mm2 2400mm2		6408.38 8333.40	1925/30%	





PLASTIC FILM REPLACEMENT FOR CHOCOLATE FLOW WRAPS





RELEASE LACQUER - GLOSS / MATT 18um REVERSE PRINT - 1st PROCESS LAMINATING ADHESIVE - 2nd PROCESS METALISED / LAMINATED PP COLD SEAL - 3rd PROCESS



CURRENT WRAPPING - MULTIPLE PROCESSES

NATROSEAL™ SYSTEM - SINGLE INLINE PROCESS

SealGlobal.Co's fully paper based confectionary flow wrap sustainable packaging to replace polypropylene monomers and composite laminates

FEATURES:

- 1. Air Cushion
- 2. Spine Seal
- 3. Side Seal
- 4. Tear Strip
- 5. Tamper Evidence
- 6. Abrasion Resistence
- 7. Aesthetic Gloss or Matt
- 8. Paper 65gsm*
- 9. Repulpable & Compostable



^{*} SealGlobal.Co's intellectual property includes the specification of successfully trialed and implemented papers



PLASTIC FILM FREE POLYBOARD REPLACEMENT

SOLUTION

FreezeKote®& FastSeal®

FreezeKote® is a water based over print varnish suitable for surface print conversion onto standard cartonboards. Eg. PrintKote.

FastSeal® is recommended for reverse application to exhibit deep freeze, condensation, grease, oil & fat.

- Excellent mechanical press stability
- Excellent release in print stack
- Fast drying for non-absorbent substrates
- Excellent flexibility
- Gloss & aesthetic Matt versions
- Excellent stability under deep freeze, wet abrasion & condensation
- Wide non-block tolerance
- European and US food contact compliance
- Repulbale & Organically Degradable











PLASTIC FILM FREE CUP STOCK

SOLUTION CupSeal®



CupSeal® is a water-based low temperature, heat sealable coating, specifically formulated for application to paper for the conversion of sustainable, plastic film free cupstock, suitable for hot, cold and non-alcoholic beverages.

OUTSTANDING FEATURES

- Excellent cold and hot water tolerance*
- Excellent low temperature A/A & A/B heat seal integrity [from 125C]
- Excellent moisture barrier*
- Excellent resistance to grease, oils & fats
- Excellent deep freeze resistance
- Excellent flexibility
- Suitable for ultrasonic & induction sealing*
- Suitable for overprinting
- Wide non-block tolerance
- Organically Degradable & Repulpable
 *Regulatory data, based on European/Swiss statutory requirements available on request

HEAT SEAL

- Induction
- B/B x AB





BARRIER COATING FOR TABLE CONDIMENTS

SOLUTION EnviroSeal®



EnviroSeal® is a water-based, heat sealable, high performance barrier coating, specifically formulated for application to paper and cartonboards. EnviroSeal® is formulated to impart water, moisture vapour and grease barrier onto papers, board & liners.

OUTSTANDING FEATURES

- Excellent water repellence
- Excellent heat seal integrity, A/A or B/B
- Excellent moisture barrier
- Excellent release from confectionary or condiments Excellent deep freeze resistance
- Excellent flexibility
- Wide non-block tolerance
- Imparts good stack/reel release
- Imparts soft touch bruise resistant effect
- Shelf life, if unopened under the above conditions will store satisfactorily for 6 months from date of manufacture

Case Study - Candarel® Sweetener WrapperTable [1] - Yield

Wrapper		1000gr Wrapper Wrapper Area mm2		Wrapper	Pieces Per 1m2	Yield per 1kg Additional Pieces wrapped	
Canderel® Wrapper EnviroSeal® Wrapper	62.00 47.00	16.13 21.28	2465mm2 2465mm2		6543.22 8631.48	2088.3/32%	







WATER BASED OPV FOR LABELS

SOLUTION

LabelSeal™

LabelSeal is a water based, high gloss, fast drying over print varnish suitable for the gravure & flexo conversion of paper & film, beverage label stock. LabelSeal is specifically formulated to exhibit disintegration in alkaline / caustic solution. LabelSeal is suitable for applications requiring embossing & hot foiling conversions.

- Excellent gloss
- Excellent flow out properties
- Excellent dry film clarity
- Excellent flexibility
- Excellent mechanical press stability
- Excellent scuff and abrasion resistance
- Excellent embossing tolerance
- Excellent adhesion to corona treated olefin film
- Excellent static dissipation
- Exhibits fast drying
- Good alkaline disintegration in caustic solution
- Good condensation tolerance
- Suitable for high-speed conversions





AESTHETIC SILVER & GOLD MARGELAM REPLACEMENT

SOLUTION
SilvaSeal®
GoldSeal®





COST BENEFIT

- Elimination of aluminium foil & polyethylene resin
- Elimination of working capital related to foil and LDPE
- No extrusion lamination equipment and production process
- Elimination of cost for aluminium foil, oxidation inhibition primer
- SilvaSeal / GoldSeal can be applied to register
- Reduced wastage from "piping"
- Reduced waste from set up, which generally incurs
- approximately 200kg waste through extrusion laminators start & set up phase
- Reduced total grammage of finished construction which results in improved wrapping yield
- Productivity conversion speed improvement

ENVIRONMENTAL BENEFIT

- Repulpable
- Recyclable
- Reduced volume waste entering mainstream
- Reduction of energy consumption
- Reduction of volume of hydrocarbon emissions resulting from the manufacture of foil and LDPE

TECHNICAL BENEFIT

- Aesthetic gloss or matt versatility
- Embossability
- Excellent substrate dead fold
- Resistance to shrinkage
- Elimination of delamination concerns
- Elimination of piping concerns
- Suitable for high speed print conversion
- Suitable for high speed wrapping

AESTETHIC BENEFIT

 Both SilvaSeal and GoldSeal are available in either high lustre or matte appearances; enforcing either a match to current materials or an inherent change to more visually tactile packaging wrap.



FILM & WAX REPLACEMENT FOR FAST FOODS

SOLUTION

FastSeal®

FastSeal®, is a water-based, high performance, grease, oil, fat, water, & condensation barrier coating formulated for application to paper for the conversion of sustainable, plastic film free, fast foods wrapping materials as a replacement for film laminated / polycoated boards, waxed boards and fluorochemical treated/sized paperboard.







Nandos Grilled Chicken Packaging

FastSeal® promotes the conversion of grease, oil, fat and condensation barrier to paper based fast food wrapping, as a replacement for paper/ldpe film laminated structures.





<u>UNDERSTANDING WHAT ARE THE KEY REQUIREMENTS IN DEVELOPING A PLASTIC-FREE CHICKEN-IN-THE-BOX / BAG</u>

Yield benefit
Reduction of cost of raw materials
Reduction of processes
Speed up of print conversion
Packaging line speed improvement
Proven sustainability

15%* Yield benefit, lightweight paperboards
Eliminates Idpe inventories
Eliminates lamination processes
Single print process at improved line speed
Compliance with current wrapping materials
Film free, repulpable and degradable waste



GREASE, FAT & OIL BARRIER FOR FAST FOODS

SOLUTION

ClearSeal® & NanoSeal®

ClearSeal®, is a water-based coating suitable for gravure application to the reverse of cartonboards or papers for the conversion of single use Fast Foods wrapping materials. ClearSeal®, is formulated to exhibit excellent grease, oil, fat resistance and tolerance to condensation. ClearSeal®, is especially suited for the conversion of KFC's fast foods folding cartonboard wrapping materials.

NanoSeal®, is a water based, aesthetic white finish barrier coating suitable for gravure application to the reverse of grey or brown backed cartonboards or papers for the conversion of single use food wrapping materials. NanoSeal®, is formulated to enhance release from foodstuffs and to impart water, moisture, grease, oil, fat and water-resistant properties.

- Exhibits an aesthetic clear or clinical white finish
- Excellent grease, fat, and oil barrier
- Excellent tolerance to condensation
- Enhances flexibility
- Good mechanical press conversion stability
- Organically Degradable & Repulpable





FILM LAMINATE DELI WRAP REPLACEMENT

SOLUTION

DeliSeal®

DeliSeal® is a water-based barrier coating suitable for conversion of paper-based Deli and fast foods wrapping materials as a replacement of hot waxed papers, plastic laminates and UV coated structures.



OUTSTANDING FEATURES

- Excellent mechanical press conversion stability
- Excellent abrasion resistance
- Fast drying
- Good slip
- Wide non-block tolerance
- Fit for Purpose wrapping line and consumer handling including:
- European and US food contact compliance
- Excellent grease, fat, and oil barrier
- Excellent deep freeze resistance
- Good water repellence
- Water & Condensation tolerance
- Repulpability
- Yield Benefit
- Organically Degradable per EN14045

Sustainable Deli Wrap – Yield

Product Description	Wrapper GSM	Film GSM	DeliSeal GSM	Total Wrapper GSM	1000g= M2	Wrapper Area mm2	Pieces Per 1m2	Pieces Per 1kg	Yield Benefit per 1kg Wrap	Yield % Diff	Total Pieces Req	Total Yield Benefit Pieces
Deli Wrap - Control, Film Laminate Deli Wrap - Sustainable	60.00 60.00	7.00	3.00	67.00 63.00	14.93 15.87	139025 139025	7.19 7.19	107.36 114.17	6.82	6.30%	2450000 2294425	155575
Chicken Bag - Control, Film Lam Chicken Bag - Sustainable	70.00 70.00	20.00	5.00	90.00 75.00	11.11 13.33	60840 60840	16.44 16.44	182.63 219.15	36.53	20.00%	6750000 5400000	1350000



POLYESTER FILM REPLACEMENT FOR ANT-BACTERIAL SOAP BARS

SOLUTION SupaKote®



SupaKote® is a two-pack high gloss lacquer, recommended for surface application to paper as a replacement for film laminated soap wrappers.

COST BENEFIT

- Elimination of polyester film, adhesive and laminating processes
- Elimination of +/- 1 week curing
- Reduction of manufacturing time and working capital related to manufacturing
- Reduced wastage of processes
- Productivity conversion speed improvement
- SupaKote® is supplied at 78% solids cost saving
- Excellent lacquer mileage
- Yield benefi

ENVIRONMENTAL BENEFIT

- SupaKote® will disintegrate in landfill
- Recyclable
- Reduced waste volume entering mainstream by approximately 10%
- Reduction of energy consumption to manufacture
- Reduction of volume of hydrocarbon emissions resulting from elimination of lamination process

TECHNICAL BENEFIT

- Application in a single gravure conversion process
- Aesthetic gloss or matt versatility
- Excellent substrate dead fold
- Resistance to shrinkage
- Elimination of delamination concerns
- Suitable for high-speed print conversion
- Suitable for application in register
- Lacquer exhibits distortion resistance at high temperatures relative to polyester which relatively exhibits a lower melting point
- Low c.o.f. for high-speed processing
- Extremely efficient scuff and abrasion, customised for wrapping lines
- Provides excellent heat seal release

AESTHETIC BENEFIT

 SupaKote® is available in either high lustre or matt appearances



SUPER HI-GLOSS FILM REPLACEMENT OPV

SOLUTION SupaKote®

PRODUCT FEATURES

- Two Pack Cross-Linked System
- High Solids 78%, Cost Benefit
- High Gloss Comparable to Film Laminates
- Heat Seal Release up to 350°C
- Enhances WVTR
- Application to Olefin Films, Paper & Foils
- High Flexibility
- Superior mileage relative to traditional NC OPV's
- Aesthetic, non-polishing matt version available

AREAS OF APPLICATION - COMMERCIALISATION

- Soap Wrap Patented PET Film replacement for Soap Bars
- Banderole OPV
- Soup Pack PET Film Replacement
- Yoghurt Lidding
- Peel Off Can End OPV
- Ice Cream Wrapprers
- General FMCG Wrapping Materials



FILM LAMINATE POTATO CRISP PACKAGING REPLACEMENT

SOLUTION

CrispSeal[™]

FastSeal®, is a water-based, high performance, grease, oil, fat, water, & condensation barrier coating formulated for application to paper for the conversion of sustainable, plastic film free, flowwrap materials as a replacement for film laminated / polycoated boards, waxed boards and fluorochemical treated/sized paperboard

- Yield benefit, 15%
- Elimination of LDPE & laminating adhesive inventories
- Eliminates lamination process & associated waste
- Single gravure conversion process
- Enhanced, faster wrapping line speeds
- Aesthetic Gold or Silver Decorative finish
- Excellent aesthetic matt or gloss appearance
- Fit for purpose Oxtrans/MVTR
- Excellent scuff resistance
- European and US food contact compliance
- Plastic film free
- Organically Degradable & Repulpable
 *Mandatory Paper recommendation





PLASTIC FILM FREE CONFECTIONARY POUCH

SOLUTION

BarrierSeal[™]

BarrierSeal® applied to papers promotes the form fill seal (FFS) conversion of fully paper based bags for confectionary wrapping as a replacement for plastic composite structures.

- Excellent water repellency*
- Excellent heat seal integrity, A/A, B/B
- Excellent moisture barrier*
- Excellent deep freeze resistance
- Excellent flexibility
- Wide non-block tolerance
- Imparts good stack/reel release
- Imparts soft touch bruise resistant effect





LDPE INNER REPLACEMENT FOR SOUP PACKS

SOLUTION

GreenSeal®

GreenSeal® is a water-based heat coating specifically formulated for conversion to aluminium foil as a sealant layer replacement for low density polyethylene in laminate constructions.

- Excellent alufoil/alufoil, alufoil/paper heat seal integrity
- Good water and moisture barrier
- Good grease and oil resistance
- Non encapsulating
- Suitable for low temperature heat sealing applications
- Plastic film free, Organically Degradable & Repulpable





LDPE INNER REPLACEMENT FOR SOUP PACKS

SOLUTION

CubeSeal®

CubeSeal® is a solvent-based heat seal lacquer, specifically formulated for the Gravure conversion of stock cube wrapping materials.

- Excellent low temperature heat seal integrity
- Excellent low temperature blocking resistance
- Excellent fat, oil, milk & acid resistance
- Excellent deep freeze resistance
- Mechanical Flow
- Repulbale & Organically Degradable





WATER BASED OPV FOR LABELS

SOLUTION

UniverSal HSL™

Universal Heat Seal Lacquer is a solvent-based lacquer specifically formulated for heat seal conversion of AluminiumFoil and Polyester dairy product closures. Universal Heat Seal Lacquer is suitable for heat sealing to Polypropylene, HIPS, Polystyrene, Polyester, PVC, Polyethylene and Apet base substrates. Universal Heat Seal Lacquer is suitable for direct application onto Aluminium or Polyester lidding material without the use of a primer.



- Excellent easy peel, heat seal integrity
- Excellent heat seal bond strength
- Excellent adhesion to aluminium foil and polyester films -
- Excellent milk resistance
- Excellent flexibility
- Excellent for wet products
- Excellent for dairy products
- Excellent deep freeze resistance
- Good acid resistance



YOGHURT BANDEROLE

SOLUTION

OPV'S

- GLOSS
- MATT
- SOFT TOUCH



METALISED FOIL LAMINATE REPLACEMENT FOR CIGARETTE INNER BUNDLING

SOLUTION

SilvaBak® GoldBak®



OUTSTANDING FEATURES

- Reduction of Processes Foil Conversion & Lamination
- Elimination of LDPE film/foil & laminating adhesive inventories
- Reduction of Waste, Energy Consuption and Emmissions
- Reduced Grammage, improved Yield
- Enhanced, faster wrapping line speeds
- Film and Laminate free, Organically Degradable & Repulpable

SOFT PACKS & HINGE LIDS

SOLUTION

OPV's

- GLOSS
- MATT
- SOFT TOUCH



POLY REPLACEMENT FOR REAMWRAP

SOLUTION

ReamSeal™

ReamSeal® is a barrier coating with water and moisture barrier properties for application to paper as a replacement for the current Olefine film laminated paper for bond paper ream wrapping

OUTSTANDING FEATURES

- Elimination of the extrusion lamination process
- Elimination of polyethylene raw material and additive inventory
- Elimination of productivity time and costs
- Wrapper, pieces per Kg, yield benefit
- Elimination of landfill taxes/duties & compliance with Govt EPR
- Organically Degradable & Repulpable

MVTR barrier replacement for Poly Extrusion Ream Wraps





ANTI-SKID FOR LONG-LIFE CARTON SLEEVES

SOLUTION

EcoSkid[™]

- PATENTED ANTI SKID
- GLOSS & MATT, HIGH PERFORMANCE ANTI SKID
- PRINT TO PRINT COF +1.0
- RE-GRIP INTEGRITY

EcoSkid™ Gloss is a water based, gloss finish over print varnish suitable for in-line flexo application onto cartonboard, fluted liners and papers. EcoSkid ™ Gloss is specifically customised for coating to coating anti-skid, grip, and non-skid requirements. EcoSkid™ Gloss is formulated to exhibit excellent "re-grip" integrity, once initial hold breaks.

- Excellent flow out properties
- Excellent mechanical press stability
- Excellent antiskid properties
- Excellent antiskid "re-grip" tolerance integrity
- Fast drying
- Good gloss
- High cof value
- Low foaming





HOT WAX REPLACEMENT FOR GREEN BAR SOAPS & FROZEN MEATS

SOLUTION

CorroKote®

- WATER BARRIER
- CONDENSATION TOLERANT
- SOFT FEEL, NON-BRUISING PROPERTIES
- WET & DRY ABRASION TOLERANCE

CorroKote® W6265 is a water-based barrier coating, specifically formulated to impart water repellence onto Kraft paper liners as a replacement for hot impregnated paraffin waxes. CorroKote® W6265 is customised to impart an initially breathable film allowing moisture and heat transpiration through the print stack, which on allowing 24hour conditioning, exhibits barrier optimisation.

- Good water repellence
- Good deep freeze resistance
- Good flexibility
- Good wet and dry abrasion, and MAR tolerence
- Good viscosity stability
- Good release properties in print stack
- Good non-block tolerance
- COBB values will optimise after 24hour conditioning
- Imparts a soft feel, bruise resistant effect to applied substrate









TRADITIONAL & SPECIALITY SERVICES

- HEAT SEALS Yoghurt Lidding, Foil Closures & Pharmaceutical
- IN-LINE LITHO COATINGS
- PRIMERS AND OPV'S
- PRE-POST METALLISATION PRIMERS
- COLD SEALS & RELEASE LACQUERS
- BARRIER COATINGS
- CORRUGATED PRODUCTS
- ANTI-MIST, MAP
- LAMINATING ADHESIVES
- CABLE COATINGS
- MENU TRAY PIGMENTED COATINGS
- SECURITIES OVERT & COVERT
- BLISTER PACK
- INK RETENTIVE

