

ECO-IMPRES – 4015

Aqueous Paper Board Blister Pack or Heat Seal OPV

TECHNICAL DATA SHEET

INTRODUCTION

ECO IMPRES-4015 is suitable for application via the majority of in-line coaters on modern Offset Printing Machines like Heidelberg, Komori, Mitsubishi, Roland, KBA, Ryobi, etc. Application can be via conventional three roller methods, doctor blade and anilox or new technology enclosed chamber anilox systems. A fast drying premium emulsion, exhibiting a reasonably glossy finish without much compromising on scuff and rub properties. Formulated as a single sided emulsion. Also could be employed as wet – on – dry application where necessary.

ECO IMPRES-4015 is an advanced, aqueous coating that can be used wherever strong seals at low temperatures are required. offers a robust seal processing temperature / Dwell Time and Pressure window, and is appropriate for use with RPET, PET and PVC blister films.

The unique aqueous formulation of not only reduces VOCs and Fire Hazards, but also helps reduce processing costs when compared with solvent-based coatings. The blister pack OPV could be applied in line on a Multicolor Offset Printing Machine, there by avoiding a separate processing cycle with solvent based Blister Pack OPVs on a separate coater unot.

Better bond strength at low temperatures, low humidity ECO IMPRES-4015 can be used to establish strong seals, even at relatively low bonding temperatures of > 120⁰ C). ECO IMPRES-4015 performs well in low humidity conditions.

Blister Pack describes packaging system that uses process known as “**Thermoforming**”, where a transparent plastic sheet (PVC or PET) is thermoformed into a shape that could over wrap article required to be packaged in a pilferage proof pack and at the same time the article needs to be fully visible to targeted buyer. Examples being: Ball Pens / Battery Cells / Seizers / Specialty adhesive tubes /

Razors etc. The desired product is then packed between the thermoformed Plastic Film and an Offset Printed Board and the Thermoformed transparent sheet is then **“Heat Sealed”** with the paper board to provide **“Tamper Proof”** protection to the packed article. The whole cycle itself is called as **“Blister Packing”**.

AREAS OF APPLICATION Blister Pack applications

FEATURES & BENEFITS

- A gloss enhancing, and protective water based clear (Single Sided) over-printing varnish, with Blister Pack application
- Provides blocking resistance under standard printing and print processing conditions.

Based on the combination of high quality imported and local raw materials to provide desired print enhancement and protection characteristics coupled with competitive price regime

- Press performance of this product is tuned to suite most high speed printing machines and carton packaging stocks.
- Stable on the press but dries quickly on the printed stock. Not recommended for double sided applications
- Suitable for the **off-line** coating operations as well as **in-line** coating machines (wet-on wet coating over multi-station offset printing machine with in-line coater unit).
- APEO and Glycol free formulation.

TYPICAL PROPERTIES	Appearance	:	Translucent liquid
	Total solids, %	:	46± 1
	pH	:	7.5 – 9.5
	Viscosity (Ford cup) sec	:	50-80
	Re-solubility	:	Excellent
	Scuff/Rub -2 Pounds(face-to-face)	:	High or >500
	Gloss(60° on ITC board – print with bar coater No. II) on Special Blister Pack Grade Board	:	> 65°
	Specific gravity	:	Close to one
	Dry film clarity	:	Highly transparent

PACKING 100 & 240 kg in HDPE containers

SHELF LIFE	Store products in tightly closed original containers at temperatures recommended on the product label.
SAFETY DATA	ECO-IMPRES 4015 is alkaline in nature and harmful if swallowed. Avoid contact with skin and use protective clothing, hand gloves, goggles etc, while handling this material. In case of contact or splash on eyes, wash with copious amount of water and consult a physician. ECO-IMPRES 4015 is a water-based system and non-flammable.
DISCLAIMER	This information is given to the best of our knowledge. There is no legally binding assurance of certain properties for a specific purpose. The customer is responsible for determining whether the product and Information provided here is appropriate for his use. It is the sole responsibility of the customer to ensure that any proprietary rights and existing laws and legislation are observed.

ANUVI CHEMICALS LIMITED (AN ISO 9001: 2015 COMPANY)

Sales office: 205/210/211, Narmada, Laxmi Industrial Premises,
Pokharan Road No.1, Vartak Nagar, Thane - 400 606,
Maharashtra. India.

Tel.:+91-22-25855379 / 25855714 **Website** www.anuvi.in

