

ECO-IMPRES 2074 F

TECHNICAL DATA SHEET

INTRODUCTION

ECO-IMPRES 2074 F is a film forming styrene acrylic copolymer emulsion of low Tg, developed for use in water-based overprint varnishes and flexographic inks.

AREAS OF APPLICATION

ECO-IMPRES 2074 F is used as an excellent let down medium for water-based inks. It provides high gloss, transparency and transfer properties in overprint varnishes.

ECO-IMPRES 2074 F provides excellent transfer, very good hold-out on paper and paper board, fast drying, newtonian flow and low foaming properties.

ECO-IMPRES 2074 F can be used to formulate high performance inks & overprint varnishes.

ECO-IMPRES 2074 F exhibits excellent rub-resistance characteristics to the print.

ECO-IMPRES 2074 F provides adhesion on various substrates, such as paper and paper board, coated paper, metalized substrates, aluminum foil and selected polyolefins.

FEATURES & BENEFITS

- Very high gloss and hold-out on paper and paper board.
- Moderate drying speed.
- Excellent film clarity.
- Mainly employed for paper, paper board and corrugated board applications.
- Compatible with other Eco-Impres resin solutions/emulsions, wax dispersions, coalescing agents commonly employed in water-based OPVs and ink systems - hence

wide use of this emulsion in various formulations.

- High water resistance properties.
- Soft polymer stabilized with biocides.
- EPO Free and free of glycols, glycol ethers, plasticizers and solvent.
- Good alcohol dilutability/ miscibility.
- Versatility - in terms of adjustment of hardness (minimum film forming temp.), by combining with other similar emulsions, enables its use in variety of end use applications.
- Rheology controlled (RC) emulsion.
- Outstanding stability in terms of pH, viscosity, rheological disturbances and freeze thaw.

TYPICAL PROPERTIES

Appearance	:	Translucent liquid
Acid Value (on solids)	:	63 ± 3 mg KOH/g
Density @ 25 °C	:	1 ± 0.05 gm/cc
Molecular Wt.	:	>200000
Total solids, %	:	46 ± 1
pH	:	8.5 ± 1
Brook Field Viscosity@30°C (Spindle/RPM : 3 /60)	:	400 ± 100 cps
Tg	:	8 °C
Freeze / Thaw stable	:	Yes [5 cycle]

PACKING

ECO-IMPRES 2074 F may be supplied in HDPE drums. Bulk deliveries are possible in tanker loads.

SHELF LIFE

ECO-IMPRES 2074 F must be stored in original, unopened and undamaged containers in dry place at temperatures between 5 & 30°C . Exposure to frost should be avoided.

DISCLAIMER

The above details have been compiled based on our current knowledge and on the basis of thorough laboratory tests. As the methods and conditions of the use of the products at the printing stage and the further life-cycle thereof is beyond our control, the company accepts no responsibilities / liabilities whatsoever. We suggest that detailed suitability tests are carried out at the users end.

Refer to our full TDS for more information



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