



INDIAN CHEMICAL INDUSTRIES

Daring to be Different to Win



HYDROFLEX[®]

Water based Inks for Flexo

Foreword

Indian Chemical Industries, ICI (INDIA) is the leading manufacturer of pigment and pigment preparations. These preparations are suitable for a wide range of end use applications like liquid inks, soaps & detergents, paints & decorative coating, rayon & rubber. The ICI has been serving to their valuable clients since 60 years. The company has wide distribution networks for efficient and effective delivery. The company is well supported by qualified techno-commercial professionals for better customer service and application support. Adherence to quality management practices and total customer satisfaction are the company's prime objectives.

We continuously upgrade our products to meet the new challenges in the modern Hi-tech world. Serving Industries with continuous success we put step forward to emerge into printing inks water based flexo for paper and board applications.

Hydroflex inks

Hydroflex is a water based flexo printing ink designed for paper & Board. These inks are acrylic /styrene emulsions blended in high performance organic pigment to yield finished inks. The inks are manufactured with high tech 3rd generation equipments and technically sound professional to achieve excellent printability.

The Hydroflex inks are ready to use form and we recommend to stir well before put inks on press to print jobs. The raw material used is in compliance of European regulations and can be used for food packaging jobs.

Hydrogloss inks

Hydrogloss is a high performance fast drying waterbased flexo printing ink system designed for high quality glossy coated paper to print on highspeed printing press. The inks are specially developed with low viscosity and high colour strength to print with fine anilox and doctor chamber blade to achieve sharp print quality. Our process printing inks gives excellent print resolutions. The raw material used are in compliance of European regulations and can be used for food packaging jobs.

Hydroplast inks

Hydroplast is a special high performance ink system recommended for printing on PE-coated paper. This ink system is fast drying with high rub and stretch resistance. The ink system is recommended for presses with speed more than 200 meters /minutes. Since the ink system has role of special property to dry on non-absorbent



substrate we recommend always to get substrate tested in our Laboratory to get the right ink system to your requirement.

The printed job is checked for water-resistance after 8 hours will meet stretch, rub & water resistance property.

Octatone Concentrates.

Octatone Concentrates are acrylic based pigment preparations stabilised with Monoethanol amine to achieve required pH concentration. These Concentrates are with high pigment concentration and can be recommended to print all kinds of jobs using our technology compounds to achieve desired end print properties. The product blended with right recommended combinations of varnishes /additives will result printing fine reverse jobs with high graphics anilox on all different kinds of uncoated & coated white / Brown kraft paper, special PE –coated paper. The finished product manufactured is in compliance with European regulations and can be recommended for food packaging jobs.

All basic pantone shades are available in Concentrate form.

Product advantages :

- Excellent press stability and sharp print quality.
- Excellent results on all different kinds of paper & Board.
- Good gloss, rub, stretch & water resistance for special ink system.
- High resolubility on press to print fine graphics process jobs.
- Right blend of chemistry to increase stability & shelf life.
- Available in all kinds of general colour shades & speciality fluorescent ink system for indoor printing.
- European regulation compliance to meet food packaging requirements.

Technical Information :

All Hydroflex, HydroGloss & Plast inks are designed on organic pigments considering Environment requirements. Perfect blend to achieve required pH of 8.3 – 9.00 to have increased stability with food packaging approved biocides. Consistency in supply viscosity range of 35-45 seconds by Din-4 cup.

Storage :

The inks are recommended to store at room temperature below 35 degrees centigrade. Retained samples are kept for shelf life of one year from the date of manufacture.

Handling & Transportation: Inks are easy to clean on press after printing. For cleaning we recommend water based cleaner. For transportation please refer our MSDS.

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HYDROFLEX™	PRODUCT SHADE	
	BROWN	WHITE
YELLOW SM-CNBG		
PROCESS YELLOW SM		
YELLOW SM		
ORANGE HS-OSYK		
ORANGE 021 SM		
RED HS-TLPK		
RED HS-RBSP		
RED SM-DELX		
RED SM-JKFD		
RED SM-LPPG		
RED SM-LKYG		

HYDROFLEX™	PRODUCT SHADE	
	BROWN	WHITE
PINK SM-BGTY		
MAGENTA SM-RCUP		
PROCESS MAGENTA HS-MKIS		
RUBINE RED SM		
PROCESS MAGENTA SM		
RED SM-ITCY		
PINK SM-LKRD		
NESCAFE RED SM-SCDY		
WARM RED SM		
DARK BLUE SM-KBYZ		
PEPSI BLUE SM-YRDK		

HYDROFLEX™	PRODUCT SHADE	
	BROWN	WHITE
LIGHT BLUE		
SKY BLUE SM-VBLY		
SKY BLUE SM-GJYK		
PROCESS BLUE HS-PAHB		
PROCESS CYAN SM		
BLUE SM-PTVK		
BLUE SM-GOCK		
BLUE SM-ARTG		
BLUE 72 SM		
ANCHOR BLUE HS-INBY		
EMIRATES BLUE SM		

HYDROFLEX™	PRODUCT SHADE	
	BROWN	WHITE
GREEN HS-RNSV		
GREEN FORTUNE HS-TAYM		
GREEN SM-ADMV		
GREEN SM-VRDK		
GREEN RM SM		
AL DHAID GREEN SM		
GREEN SM-KDRT		
PARROT GREEN HS-KJTR		
VIOLET		
PURPLE SM-YKMG		
PURPLE R5G		

HYDROFLEX™	PRODUCT SHADE	
	BROWN	WHITE
BROWN FORTUNE HS-LQHF		
CHOCO BROWN SM-HBRV		
BLACK SM-BKJL		
BLACK SM-BFSP		
BLACK SM		
BLACK SM-BKHT		
BLACK HS-PHKT		
BLACK HS-STDN		
WHITE INK		
WHITE L3S SM		
WHITE SM-FADT		

Not Just Colors **Add Better Quality to Products**



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Fast Salt and Ingrain Dyes For
Textile Industrial Applications



OCTAMINE®
Pigment Preparation For Textile
Dyeing & Printing



ICHOFLEX® & OEKOSOL®
Specialized Plastisol &
Water Based Textile Inks



OCTAMINE® EX
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For Garment Dyeing



OCTAFINE®
Pigment Preparation For Water Base
Decorative Paints & Emulsion



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POS Tinting of Architectural Paints



ICHOLACE™
Specialized Organic Pigments
for Paints and Coatings Industries



ICHOPLAST
Specialized Organic Pigments for
Plastics, Rubbers & Allied Products



**OCTADOZE™,
OCTAPRENE, OCTASPERSE**
Pigment Preparation for
Rayon Dope Dyeing, Latex,
Soaps & Detergents



HYDROFLEX®, OCTATONE™
Water Based Inks for Flexo,
Pigment Preparation for
Water Based Flexo



ICHOPRINT
Specialized Organic Pigments For
Printing Ink Industries



OCTAPOL®
Specialize Pigment Preparation For
Coloration of Polyurethane Foams



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