

INKREDIBLE

IMPRESSION

High pigmented, high rub resistance sheet-fed offset process inks

The **IMPRESSION** series from **huber**group is based on INKredible ink technology.

An incredibly superior range of inks based on a shared know-how between our customers and our technologists. The constituents of this process set are designed meticulously for offset printing.

In this unique ink technology, we used a vehicle system keeping in mind the new generation high speed printing machines, more environmentally safe raw materials and a formulation approach that ensures machine friendly ink rheology.

INKredible inks have shown much superior performance in terms of setting, gloss and rub resistance. These INKredible inks are excellent in terms of emulsion stability and enhanced water tolerance.

INKredible inks are manufactured by using latest state of the art manufacturing technology that guarantees a high level of production reliability and best print performance.

The colour-intensive IMPRESSION process series is the most suitable process color series if the best possible Rub Resistance is required

IMPRESSION Process Set:		Fastness characteristics as per Din 16524/25			
		Light (BWS)**	Alcohol	Nitro	Alkali
Yellow	41 F 10 IP*	5	+	+	+
Magenta	42 F 10 IP*	5	+	+	-
Cyan	43 F 10 IP*	8	+	+	+
Black	49 F 10 IP*	8	-	-	+

F = Duct-fresh

BWS = Blue Wool Scale

* These inks are also available under product code 20 IP, e.g. yellow as 41 F 20 IP, Magenta 41 F 20 IP, Cyan 43 F 20 IP and Black 49 F 20 IP

** Above light fastness values refer to solid printing. Light fastness rating decreases at low ink density or half-tone printing. Intermixed colors will give low light fast values.

Special Features:

Press Performance

- Good rheological behaviour
- Easy to use – quick and stable ink-water balance
- Suitable for all dampening system - with or without alcohol
- Suitable for high speed printing
- Duct-fresh
- Suitable for 8-10 color presses
- Suitable for infrared radiation drying

Print Performance

- Outstanding rub resistance
- Tough film formation because of the oxidative drying
- Very High color intensity

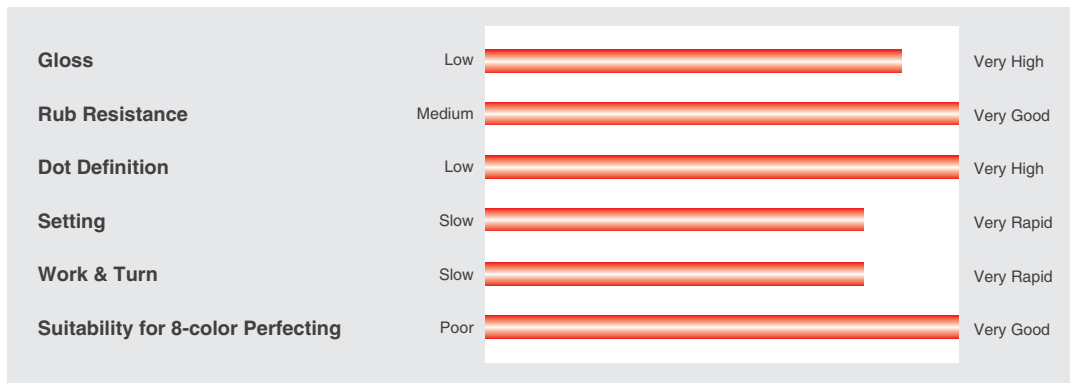
- Good gloss on coated substrates
- Excellent dot sharpness and trapping
- Suitable for lamination

Field of application:

IMPRESSION process set offers the best possible rub resistance especially when printed on matt coated & art papers, different qualities of cardboard and uncoated papers. The super fast drying capability of the IMPRESSION series could be further improved by the infrared radiation and guarantee excellent printing results even on less absorbent printing stocks and packages.

IMPRESSION ink series stands out due to its excellent color intensity and brilliancy. The pleasantly smooth and free-flowing ink consistency is particularly printers friendly. Moreover the system impresses through high dot definition and high contrast finish.

Characteristic Profile



Due to very fast drying characteristic this series could also be used on less absorbent printing stock such as PE coated board. But prior testing before commercial run is always recommended.

If used for printing food and luxury food packages, the requirement for such products have to be met such as:

- Prevention of any changes to the products in respect to odour and taste.
- Migration must remain within the permitted limit
- The colours of the package contents must not change

Further information on this subject can be found in the information sheet entitled "Printing Inks for Food Packages" published by the Association of Printing Ink manufacturers.

High requirements with respect to sensory effects are fulfilled by our CORONA – GA 5015 (low odour* and CORONA – HGA 5028 (low odour* and low-hexanal) ink series.

If the printing stock used for manufacturing the packaging possesses adequate barrier properties, there is no migration into packaging contents. In the case of special requirements specifying the avoidance of migration to the greatest possible degree, we recommend you use our sheet-fed offset ink series CORONA – MGA 5045 (low migration, sensory-neutral, suitable for absorbent stocks only).

Additives

IMPRESSION process color is supplied as ready to use. Under exceptional circumstances, to adapt the process inks to special printing conditions, additives should be used which are compatible with the highly developed binder system.

Use liquid reducer **Print Oil 10 T 1405 or HR - 07388** for reducing the tack on printing substrates sensitive to picking. To accelerate oxidative drying use **MONSUN 10 S 7265** or Paste drier **Quick fix PC – 0605**.

MSDS

Material safety data sheets are available on request. We advise to ready the MSDS carefully before using the products.

Available Packing

- 1.0 Kg Vacuum-sealed can
- 2.5 Kg Vacuum-sealed can
- 2.0 Kg Cartridge

* The term "low-odour" refers to prints that have been made with these inks.

This information has been carefully compiled from best of our experience gained in laboratory and under actual commercial conditions. However, the product's performance and its suitability for the customer's purpose depend on the particular conditions of use and the material being used for printing. We recommend that customers satisfy themselves that each product meets their requirements in all respect before commencing a commercial run.