

INKREDIBLE

## SURPRIZE

High pigmented, fast setting sheet-fed offset process inks

The **SURPRIZE** 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.

**SURPRIZE series based on INKredible technology having fast setting properties for quick turnaround and post-print operations. These colour-intensive process inks are meant for high productivity**

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

F = Duct-fresh

BWS = Blue Wool Scale

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

\*\* 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

#### Print Performance

- Very fast absorption and outstanding stacking properties with minimal powder spraying
- Ideally suited to rapid turning and quick further processing
- Excellent color intensity
- Good print gloss on coated substrates

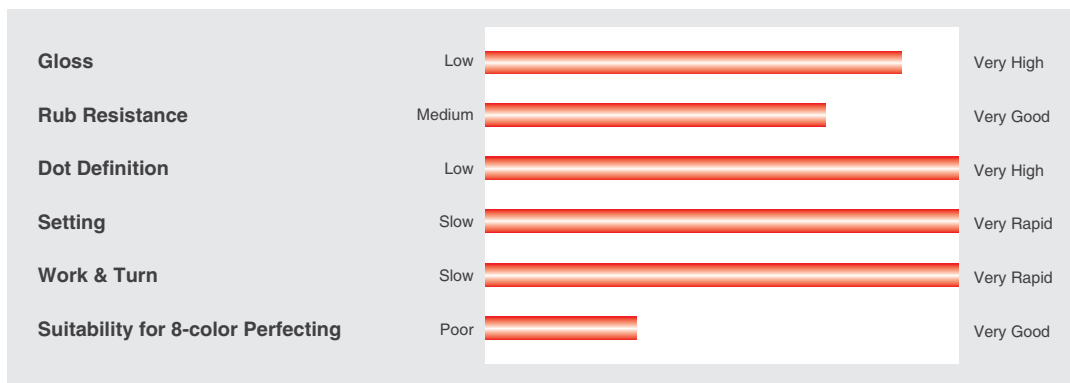
- Excellent dot sharpness and trapping
- Good rub resistance
- Suitable for lamination job
- Suited to infrared radiation drying.

#### Field of application:

The SURPRIZE process inks are the fastest drying series of sheet-fed offset inks. They are suitable for all sheet-fed offset presses and damping units, in particular for high-speed multi-color presses. Their excellent solvent release capabilities enable them to achieve very good stacking performance, immediate turning and rapid further processing, even on less absorbent printing stocks.

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

#### Characteristic Profile



When food and confectionery packages are to be manufactured, the requirement laid down for such products must be fulfilled:

- avoidance of changes in the smell and taste of the package contents
- migration must remain within the limits set
- 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

SURPRIZE process color is supplied 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 **Paste Reducer 10 T 9999** or **Gel Tack Reducer PM – 2004** 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 read 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.