

!NKREDIBLE

REVOLUTION®

The revolutionary heatset ink series

!NKREDIBLE REVOLUTION is the high-gloss formulation of the inks series family based on **!NKREDIBLE** printing-ink technology.

When the **huber**group introduced its HIT technology in the mid 1990s, the Group succeeded in generating printing inks that, thanks to the optimum coordination of the formulations and production processes, set the standard for the heatset sector over a period spanning some ten years.

The global expansion undergone by the **huber**group now allows it to rigorously pursue this path further. The systematic exchange of know-how and genuinely high level of cooperation practised between the Group's chemical and process engineers all around the world, together with innovative ideas on raw-material synthesis and on ink formulation, laid the perfect foundation for the new **!NKREDIBLE** generation of printing inks, which takes full account of the continuous developments on the press side of the business and the increased demands with respect to process standardisation.

Special hard resins, pigments whose surface characteristics have been optimised and new production technology form the basis of the **!NKREDIBLE** ink systems, which guarantee exceptional printing stability and fantastic results.

!NKREDIBLE technology inks fulfil all the demands the latest generation of high-speed printing presses make on printing inks, whether it be for jobs in which the quantity of ink transferred is low and the degree of ink emulsification is high or jobs with extreme requirements with regard to print contrast. The **!NKREDIBLE** heatset series guarantee optimum print results every time, in every situation.

Highly transparent and pure pigments enable us to satisfy the specifications of DIN ISO 2846-1 and/ or 12 647-2, an also degree of variation in dot gain between the four process colours guarantees a neutral grey balance without dot loss in the production run.

REVOLUTION is the name of the heatset series that meet all the demands made on heatset inks today. The inks' high degree of gloss, in combination with colour-intensive, pure hues and ideal trapping characteristics, guarantees fantastic and highly impressive levels of contrast. The balanced quality of **!NKREDIBLE REVOLUTION** is available in two series, each with three different tack levels, specially formulated to suit the press configuration, length and output of the dryer unit and the type of job.

The inks of the H 50 series meet the high and varied demands of a wide spectrum of commercially available substrates.

The H 20 series is an ink system that has been specially developed for substrates with a high level of oil absorption and correspondingly qualified drying characteristics.

The H 56 series unites the properties of the H 50 series with the properties required to meet the rub-resistance demands of matt-coated stocks.

REVOLUTION

Primarily for high-quality coated papers

| | |
|----------------|------------------|
| Yellow | 21 H 50 H |
| Magenta | 22 H 50 H |
| Cyan | 23 H 50 H |
| Black | 29 H 50 H |

Primarily for coated and uncoated papers

| | |
|----------------|------------------|
| Yellow | 21 H 50 M |
| Magenta | 22 H 50 M |
| Cyan | 23 H 50 M |
| Black | 29 H 50 M |

Primarily for uncoated papers and newsprint

| | |
|----------------|------------------|
| Yellow | 21 H 50 L |
| Magenta | 22 H 50 L |
| Cyan | 23 H 50 L |
| Black | 29 H 50 L |

Primarily for high-quality coated papers

| | |
|----------------|------------------|
| Yellow | 21 H 20 H |
| Magenta | 22 H 20 H |
| Cyan | 23 H 20 H |
| Black | 29 H 20 H |

Primarily for coated and uncoated papers

| | |
|----------------|------------------|
| Yellow | 21 H 20 M |
| Magenta | 22 H 20 M |
| Cyan | 23 H 20 M |
| Black | 29 H 20 M |

Primarily for uncoated papers and newsprint

| | |
|----------------|------------------|
| Yellow | 21 H 20 L |
| Magenta | 22 H 20 L |
| Cyan | 23 H 20 L |
| Black | 29 H 20 L |

For maximum rub resistance

| | |
|----------------|------------------|
| Yellow | 21 H 56 H |
| Magenta | 22 H 56 H |
| Cyan | 23 H 56 H |
| Black | 29 H 56 H |

Special properties

- Fast drying
- Fantastic gloss
- Good rub resistance
- Good transfer from the blanket
- Chromaticity points in compliance with DIN ISO 2846-1 / 12647-2
- Neutral grey balance
- High fount solution tolerance
- Immediate adjustment of a stable ink/water balance
- Excellent stability in the production run
- Ideally suited to IPA-free printing

Range of application

The new REVOLUTION generation of heatset inks is particularly suitable for exceedingly high-gloss print jobs on coated and on absorbent and less glossy stocks and jobs that have to be conducted in compliance with DIN ISO 12647-2. It stands out thanks to its minimal level of dot gain and high fount solution tolerance.

Printing auxiliaries

REVOLUTION process inks are supplied ready to use. Should it become necessary, under exceptional circumstances, to adapt the process inks to special printing conditions, auxiliaries should be used which are compatible with the highly developed vehicle system:

– for reducing tack with substrates that are susceptible to picking, **Print Oil 10 T 9998**

How supplied

25-kg hobbocks
200-kg drums
1,000-kg containers

Contact addresses for advice and further information can be found under www.hubergroup.de

This Technical information sheet reflects the current state of our knowledge. It is designed to inform and advise. We assume no liability for correctness. Modifications may be made in the interest of technical improvement.