

!NKREDIBLE

## RAPIDA®

The quick-setting sheet-fed offset process series

!NKREDIBLE RAPIDA® is the fastest setting ink series 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 formulation and production process, set the standard for the sheet-fed offset segment 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 the 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 and the increased demands with respect to process standardisation.

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

!NKREDIBLE inks fulfil all the demands of the newest generation of high-speed printing presses, whether for jobs with low ink coverage and high degree of emulsification or jobs with extreme requirements with regard to print contrast. The !NKREDIBLE sheet-fed offset series guarantee optimum print results every time, in every situation.

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

**RAPIDA® is the quick-setting sheet-fed offset series for immediate turning and rapid postprint finishing. The inks' fast surface drying properties in combination with good gloss and good rub resistance mean they are predestined for a multitude of different applications.**

| RAPIDA® Fastness properties ISO 2836 / 12 040 |            | Light BWS | Alcohol | Solvent mixture | Alkali |
|---|------------|-----------|---------|-----------------|--------|
| Yellow  | 41 F 10 RP | 5         | +       | +               | +      |
| Magenta                                       | 42 F 10 RP | 5         | +       | +               | - *    |
| Cyan  | 43 F 10 RP | 8         | +       | +               | +      |
| Black   | 49 F 10 RP | 8         | +       | +               | +      |
| varnish solvent fast                          |            |           |         |                 |        |

F = duct-fresh formulation

\* not suitable for posters

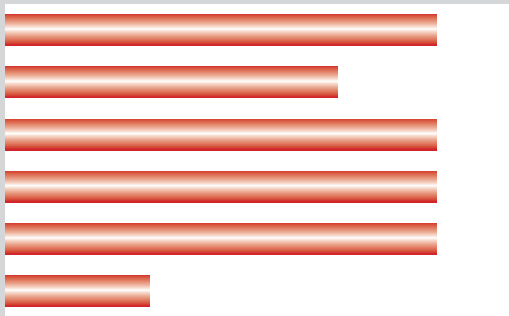
## Special properties

- Quick setting characteristics
- Fast surface drying
- Outstanding stackability with minimal powder spraying
- Enables immediate turning and rapid postprint finishing
- Particularly suitable for printing on high-speed presses
- Ideally suited to inline coating
- Color shade in compliance with DIN ISO 2846-1 and 12647-2
- Neutral grey balance
- High fountain solution tolerance
- Immediate adjustment of a stable ink/water balance
- Excellent stability in the production run
- Ideally suited to IPA-free printing geeignet

## Range of applications

The RAPIDA® process series combines fast setting, high gloss and good rub resistance in the best manner possible. This combination means the series is suitable for a multitude of different applications on absorbent stocks. It stands out thanks to its high fountain solution tolerance and low level of misting. As a result, the series is particularly suitable for using in high-speed sheet-fed offset presses. Its good mechanical stability immediately after having finished the print enables rapid post-print finishing.

## Properties

|  |        |   |            |
|--|--------|---|------------|
| <b>Gloss</b>                               | low    |  | very high  |
| <b>Rub resistance</b>                      | medium |   | very good  |
| <b>Dot definition</b>                      | low    |   | high       |
| <b>Setting</b>                             | slow   |   | very rapid |
| <b>Postprint finishing</b>                 | slow   |   | very rapid |
| <b>Suitability for 8-colour perfecting</b> | poor   |   | very good  |

## Printing auxiliaries

RAPIDA® 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 **Paste Reducer 10 T 9998**
- for accelerating oxidative drying **MONSUN 10 S 7265**.

## Classification

Code per German law on hazardous substances (GefStoffV): None  
Danger class per German ordinance on flammable liquids (VbF): None  
Safety Data Sheet available on request.

## How supplied

2,5-kg vacuum-sealed cans  
Containers  
2,0-kg cartridges

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Contact addresses for advice and further information can be found under [www.hubergroup.de](http://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.