

INKREDIBLE

RESISTA QU!CKFAST®

The quick-drying, rub-resistant, sheet-fed offset process series based on renewable raw materials - mineral oil-free

The continually growing demand for even shorter delivery times is placing increasing demands on printing inks. The trend to smaller print runs of improved quality and to ever faster postprint finishing poses an obstacle that is often difficult to overcome, especially when the substrate is uncoated paper.

INKREDIBLE RESISTA QU!CKFAST® is the first ink series that lives up to these demands, making it indispensable for service-oriented printers that attach great importance to rapid postprint finishing of problematical substrates too.

The **INKREDIBLE RESISTA QU!CKFAST®** series guarantees optimum print results in every situation. Highly transparent and pure pigments enable us to satisfy the requirements of ISO 2846-1 and fulfil the colormetric standards laid down in ISO 12647-2. This is acknowledged by FOGRA certificate no. 23 328. The balanced formulation of the vehicle ensures a low degree of variation in dot gain between the four process colours and guarantees a neutral grey balance with outstanding stability in the production run.

Thanks to its quick drying properties and extremely high resistance to mechanical stress, **INKREDIBLE RESISTA QU!CKFAST®** is irreplaceable for a wide range of critical substrates. It provides very good rub resistance and minimises the known problem of carboning on challenging substrates. The intensive, pure colours in combination with ideal trapping characteristics guarantee fantastic and highly impressive levels of contrast in the print image.

The series' extraordinary properties are completed by its superior stability in the production run.

INKREDIBLE RESISTA QU!CKFAST® Fastness properties per ISO 2836 / 12 040

		Light WS	Alcohol	Solvent mixture	Alkali
Yellow	41 N 50 QF	5	+	+	+
Magenta	42 N 50 QF	5	+	+	- *
Cyan	43 N 50 QF	8	+	+	+
Black	49 N 50 QF	8	+	+	+

varnish solvent-resistant

N = Non duct fresh

* not suitable for posters

Special properties

- Excellent rub resistance and minimal tendency to carbonise
- Particularly suitable for printing on critical paper grades
- Very fast, oxidative drying
- Rapid postprint finishing
- Very good gloss
- Fast stabilisation of the ink/water balance and high fount solution tolerance
- Maximum stability in the production run with minimal startup waste
- FOGRA-certified
- Chromaticity point in compliance with ISO 2846-1
- For stable alcohol-free printing with Substifix-AF
- Not recommended for application on films or other non-absorbent substrates
- Suitable for perfecting

Range of application

The **!NKREDIBLE RESISTA QU!CKFAST**[®] process series is particularly suitable for jobs on critical paper grades that demand very fast drying to enable rapid postprint finishing. That said **!NKREDIBLE RESISTA QU!CKFAST**[®] also produces outstanding results on all grades of absorbent substrates susceptible to mechanical stress. It stands out thanks to its low level of dot gain and high fount solution tolerance. Its good gloss and average setting speed mean it can be used as a true all-rounder. The series is suited to printing on multi-colour perfecting presses.

General requirements for the packaging of food and semi-luxury goods

Food and semi-luxury goods packaging must not transfer any components to the packed product which

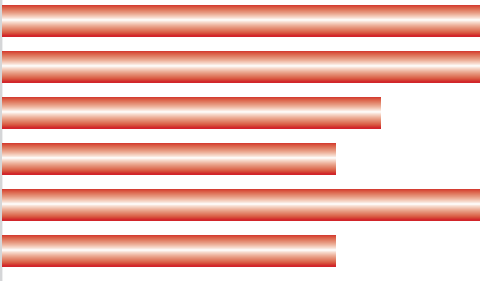
- endanger human health,
- bring about a change in the taste or odour of the packaged goods, or
- bring about a change in the composition or the appearance of the packaged goods.

Therefore sheet-fed offset printing inks used for the production of food and semi-luxury goods packaging must be „low migration“ and must not affect the taste and odour of the packed product.

The oxidative drying ink series **!NKREDIBLE RESISTA QU!CKFAST**[®] may release odour-generating by-products during the drying process and is neither low-migration nor low-odour. Oxidative drying standard printing inks like **!NKREDIBLE RESISTA QU!CKFAST**[®] are generally not recommended by member companies of the **hubergroup** for the production of packaging for food and semi-luxury goods. These inks can only be used for this purpose if any transfer of substances from the printed ink film to the packed product (by migration or set-off) as well as a deterioration of the organoleptic properties of the packed product is excluded by suitable packaging design, by appropriate processing conditions and the use of a primary packaging material with sufficient barrier properties.

For further information, please refer to our information sheet „Note regarding the use of standard sheet-fed offset printing inks (setting and/or oxidative drying) and standard water-based varnishes for the manufacture of food packaging made of paper and board“.

Properties

Gloss	low		very high
Rub resistance	medium		very good
Dot definition	low		very high
Setting	slow		very rapid
Postprint finishing	slow		very rapid
Suitability for multi-colour perfecting	poor		very good

Printing auxiliaries

!NKREDIBLE RESISTA QU!CKFAST® 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 that are compatible with the highly developed vehicle system:

- for reducing tack with substrates that are susceptible to picking, **Print Oil 10 T 1405**,
- for accelerating oxidative drying **MONSUN 10 T 7265**.

Classification

Safety Data Sheet available on request.

How supplied

- 2.5-kg vacuum-sealed cans
- 2.0-kg cartridges

Instructions for printing food packaging

This sheet-fed process series is not suitable for printing of food packaging where the substrate is in direct contact with the food and / or there are insufficient barrier properties. In this case we recommend our specially formulated low migration **MGA®** systems to be used. More information regarding packaging for food and beverage is available on the leaflet „printing inks for food packaging“, published by the Association of ink manufacturers or our „Information on using standard sheet-fed offset printing inks for the manufacture of food packaging“ and our website www.futurepack.de

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.