

!NKREDIBLE

MAXXIMA

!NKREDIBLE sheet-fed process ink series
with maxximum application profile

Printing press manufacturers are changing the demands on the ink through the ever increasing press speeds. The market is evolving toward shorter runs, with even higher quality standards in shortening lead times.

With the development of !NKREDIBLE MAXXIMA we have created an ink that is designed for optimum performance, no compromises. Thus, it becomes a versatile process series for printers who want to cover the widest range of applications with just one ink series.

!NKREDIBLE MAXXIMA ensures optimum print results in any situation. Highly transparent and brilliant pigments enable the ink to satisfy the specifications of DIN ISO 2846-1 and fulfill the colourmetric requirements of ISO 12 647-2. This is documented with the Fogra Certificate No.23328. The advanced binder provides a low degree of variation in tonal value increase between the four colours, which guarantees a neutral grey balance with excellent stability during the production run.

!NKREDIBLE MAXXIMA is the fast setting and quick drying sheet fed process series, which is suitable for a wide range of absorbent substrates, due to its high resistance to mechanical stress. The strong, pure hues, in combination with ideal trapping characteristics, ensure a captivating contrast of the printed image.

The high stability during the production run completes the maxximum application profile!

!NKREDIBLE MAXXIMA is supplied as a duct fresh version

!NKREDIBLE MAXXIMA Fastness properties per ISO 2836/12 040

		Light BWS	Alcohol	Solvent mixture	Alkali
Yellow	41 F 50 MX	5	+	+	+
Magenta	42 F 50 MX	5	+	+	-*
Cyan	43 F 50 MX	8	+	+	+
Black	49 F 50 MX	8	+	+	+

F = duct fresh

* not suitable for posters

Special properties

Maximum suitability

- Optimum setting speed
- Optimum rub resistance
- Optimum gloss
- Optimum suitability for perfecting
- Maximum process safety
- Maximum stability during production run
- Lowest start up waste
- Colour shades according to DIN ISO 2846-1 and ISO 12647-2
- Ideally suited to IPA-free printing in combination with SUBSTIFIX®-AF
- Extremely fast adjustment of a stable ink-water balance
- Good stack stability with minimal powder spraying
- Neutral grey balance

Range of applications

The Process series **!NKREDIBLE MAXXIMA** is ideally suited for different types of jobs on different substrates, where the highest demands are placed upon the inks. It is characterised by low dot gain, high dampening tolerance and their versatility.

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 **!NKREDIBLE MAXXIMA** 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 MAXXIMA** are generally not recommended by member companies of the **huber**group 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 sheetfed offset printing inks (setting and/or oxidative drying) and standard water-based varnishes for the manufacture of food packaging made of paper and board“.

Printing auxiliaries

Should it become necessary to adapt the process inks to special printing conditions, additives should be used which are compatible with the highly developed binder system:

- to reduce the tack on substrates susceptible to picking **Ink Oil 10 T 1405**
- to accelerate oxidative drying **MONSUN 10 T 7265**.

Classification

Safety Data Sheet available on request.

How supplied

2,0-kg cartridges

2,5-kg vacuum-sealed cans

Containers

Instructions for printing food packaging

This sheetfed 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.