



UltraCURA Sens Bases

The series for food packaging printing in sheetfed and web offset for paper and plastic substrates

UV base colour ink series for sheetfed offset and web offset

Product Features

- UltraCURA Sens Bases is a low-odour, low-migration base colour ink series for sheetfed and web offset packaging printing. It has been developed especially for food packaging applications where there is no direct contact between the printed image and the contents of the package.
- UltraCURA Sens Bases are ideally suited for plastic substrates like polyethylene, polypropylene, polyester, PVC etc. as well as coated and uncoated papers and board.
- UltraCURA Sens Bases consist of 13 base colours as well as black and transparent white. Base colours have high colour strength, optimised to blend spot colours. Specific fastnesses can also be achieved fitting requirements often encountered in packaging printing.
- The benefits of UltraCURA Sens Bases are excellent adhesion on plastic substrates, good ink-water stability, good rub and adhesion resistance, high colour strength, fast curing speed and due to the low water pick up, very good press stability.
- UltraCURA Sens Bases are particularly suited for the production of packaging that complies with the requirements of the EU-regulation 1935/2004 and 2023/2006 as well as with the Swiss Ordinance 817.023.21. Additionally the series meets the requirements of the EuPIA Guideline „Printing Inks applied to the non-food contact surface of food packaging materials and articles“.

Advantages of UltraCURA Sens Bases

- Low-odour and low-migration.
- Good press stability.
- Low water pick up.
- Good ink-water stability.
- Fast curing speed.
- Low misting.
- Low dot gain.
- Good flow in the ink duct.
- 100 % solid – no VOC emissions.
- Excellent adhesion on plastic substrates.
- Good rub resistance.

UltraCURA Sens Bases

		Fastness properties				
		Light fastness	Alcohol	Solvent mixture	Alkali	Soap
UltraCURA Sens Bases	Article code					
UltraCURA Sens; Transparent White	VW95-017S	Not applicable				
UltraCURA Sens; Opaque White	VW95-027S	Not applicable				
UltraCURA Sens; Mid Shade Yellow	VW95-137S	5	+	+	+	+
UltraCURA Sens; G/S Yellow	VW95-138S	6	+	-	+	+
UltraCURA Sens; Orange	VW95-237S	5	+	+	+	+
UltraCURA Sens; Rubine Red	VW95-337S	5	+	+	-	-
UltraCURA Sens; Y/S Red	VW95-338S	5	+	-	+	+
UltraCURA Sens; Perm Rhodamine Red	VW95-347S	7	+	+	+	+
UltraCURA Sens; Fast Rubine Red	VW95-348S	7	+	+	+	+
UltraCURA Sens; Fast Warm Red	VW95-349S	7	+	+	+	+
UltraCURA Sens; Fast Violet	VW95-417S	7	+	+	+	+
UltraCURA Sens; Blue	VW95-518S	8	+	+	+	+
UltraCURA Sens; Fast Reflex Blue	VW95-529S	7	+	+	+	+
UltraCURA Sens; Green	VW95-627S	8	+	+	+	+
UltraCURA Sens; Black Base	VW96-949S	8	+	+	+	+

Light fastness properties according to ISO 12040:
from 1 (low) to 8 (high)

Fastness properties according to ISO 2836:
+ = Resistance provided
- = Resistance not provided

You are welcome to contact us for further information.

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UltraCURA Sens Bases

Substrates	<p>Ideally suited for plastic substrates like for example polyethylene, polypropylene, polyester and PVC. Well suited for coated and uncoated papers and board.</p> <p>Synthetic materials should be Corona treated with a surface energy, in excess of 40-44 mN/m or with corresponding primer to achieve good adhesion. In general the ink/foil combination should be tested. In view of the wide substrates offered by various manufacturers and in order to check the suitability for the printing of food packaging we recommend carrying out your own tests before starting a print run.</p>
Additives	<p>Ultraking® PREMIUM Liquid Reducer (VW80-050S-X3L5). In order to preserve low-odour and low-migration properties of this series it is very important to use only this listed additive.</p>
Varnish	<p>Must only be varnished with UV varnish Ultraking® 180/5a XLM (VW70-0LMI) to preserve low-odour and low-migration properties. Due to the wide range of applications and substrates which are outside of our control, we recommend that the ink and coating is pre-qualified prior to commencing production.</p>
Fountain solutions	<p>We recommend Hydrofast® AFS 359 Novasens®.</p>
Shelf life and storage	<p>The recommended storage temperature is 5 - 35 ° C.</p> <p>Direct sunlight should be avoided to prevent polymerisation. Meeting the recommended storage conditions, UltraCURA Sens Bases will remain stable for a minimum of 18 months from the date of manufacture.</p>
Special notes	<p>UltraCURA Sens Bases have extremely low-odour and low-migration characteristics. A migration test according to DIN EN 14338 was made and has shown that under the conditions of the test no migration was observed.</p> <p>A food packaging suitability certificate is available upon request.</p> <p>Thanks to their high colour strength, UltraCURA Sens Bases feature excellent ease in formulating and mixing shades, due to their mono-pigmentation. Furthermore it is possible to achieve all colour tones of the PANTONE® guide with the typical film weight usually applied in wet offset printing.</p> <p>In case the printing press was previously running with conventional inks, it should be thoroughly cleaned and all ink residues have to be removed before printing with low-migration ink.</p> <p>We recommend an accurate control of the polymerization process under the UV lamps.</p>

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