

*Rely on us.*<sup>SM</sup>



# UltraCURA<sup>®</sup> Sens Plas

Next generation UV Low Migration series for food packaging printing.  
Sheetfed and web offset applications for paper, board and non - absorbent substrates

**Energy curing low migration process ink for sheetfed offset and web offset**

## Product Features

- UltraCURA<sup>®</sup> Sens Plas is a next generation low-odour, low-migration process ink series for sheetfed and web offset packaging printing. It has been developed specially for food packaging applications where there is no direct contact between the printed image and the contents of the package.
- UltraCURA<sup>®</sup> Sens Plas is ideally suited for non-absorbent substrates like polyethylene, polypropylene, polyester, PVC etc. as well as coated and uncoated papers and board.
- The main benefits of the UltraCURA<sup>®</sup> Sens Plas series are excellent adhesion and resistance properties on non-absorbent substrates.
- An extensive analytical approval process in post press and foreseeable use studies has been conducted, for markets such as IML and folding carton.
- Low water pick up leads to excellent press stability, ink – water balance and consistently good cure.
- UltraCURA<sup>®</sup> Sens Plas is 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

## Features of UltraCURA<sup>®</sup> Sens Plas

- Low-odour and low-migration
- Independently analysed and approved
- Excellent press stability, ink water balance and cure
- High colour strength and transfer properties
- Excellent resistance properties
- Low misting
- Good duct flow properties
- 100 % solid – no VOC emissions
- Complies with ISO 2846-1

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# UltraCURA® Sens Plas

		Fastness properties				
		Light fastness	Alcohol	Solvent mixture	Alkali	Soap
Article code						
<b>UltraCURA® Sens Plas</b>						
UltraCURA® Sens Plas Process Yellow	VW90-112S	5	+	+	+	+
UltraCURA® Sens Plas Process Magenta	VW90-312S	5	+	+	-	-
UltraCURA® Sens Plas Process Cyan	VW90-512S	8	+	+	+	+
UltraCURA® Sens Plas Process Black	VW96-912S	8	+	+	+	+
<b>UltraCURA® Sens Plas FAST</b>						
UltraCURA® Sens Plas FAST Process Yellow	VW90-1L7S	7	+	+	+	+
UltraCURA® Sens Plas FAST Process Magenta	VW90-3L7S	7	+	+	+	+

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

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

## Substrates

Ideally suited for plastic substrates like polyethylene, polypropylene, polyester and PVC. Well suited for coated and uncoated papers and board. 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.

## Additives

Ultraking® PREMIUM Liquid Reducer (VW80-050S-XSBJ). In order to preserve low-odour and low-migration properties of this series it is very important to use only this listed additive.

## Coating

To preserve low-odour and low-migration properties, please consult with Flint Group for specific application and technical recommendation advice.

## Fountain solutions

Consult with your Flint Group representative for specific recommendations.

You are welcome to contact us for further information.

The aim of our technical documents is to inform our customers about general values. However, the transferability of general values known from experience and laboratory results to concrete practical applications depends on a number of factors which are beyond our control. We therefore ask for your understanding that this advice document cannot be used as the basis for claims in law. Furthermore, the correct application for each product has to be checked carefully for suitability.

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Product names followed by ® are trademarks registered by Flint Group Germany GmbH.

# UltraCURA® Sens Plas

## Shelf life and storage

The recommended storage temperature is 5 - 35° C.  
Direct sunlight should be avoided to prevent polymerisation. Meeting the recommended storage conditions, UltraCURA® Sens Plas will remain stable for a minimum of 18 months from the date of manufacture.

## Special notes

UltraCURA® Sens Plas has 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.

A food packaging suitability certificate is available upon request.

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.

We recommend an accurate control of the polymerization process under the UV lamps.

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### **You are welcome to contact us for further information.**

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