Flexocure Gemini

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Flexocure Gemini

Low odour UV Flexo ink

- Very low odour gives opportunity to print applications where low odour is a demand
- Very good curing properties and high colour strength ensures productivity
- Higher density and lower dot gain gives excellent printability
- Improved ink duct behavior and plate transfer ensures better press performance and mileage
- Universal adhesion properties to a wider range of papers and synthetic films
- Very good hold-out on paper substrates gives higher gloss and higher densities
- Excellent in combination with Uvoscreen II CombiWhite

Flexocure Gemini
Portfolio

- Process colours
  - UFGXXX80 – Normal strength
  - UFGXXX82 – High strength
  - UFGXXX83 – High definition (only process Magenta)
- Pantone Basic Colours
  - UFGXXXXX
- High resistant Pantone Basic Colours
  - UFGXXXXX

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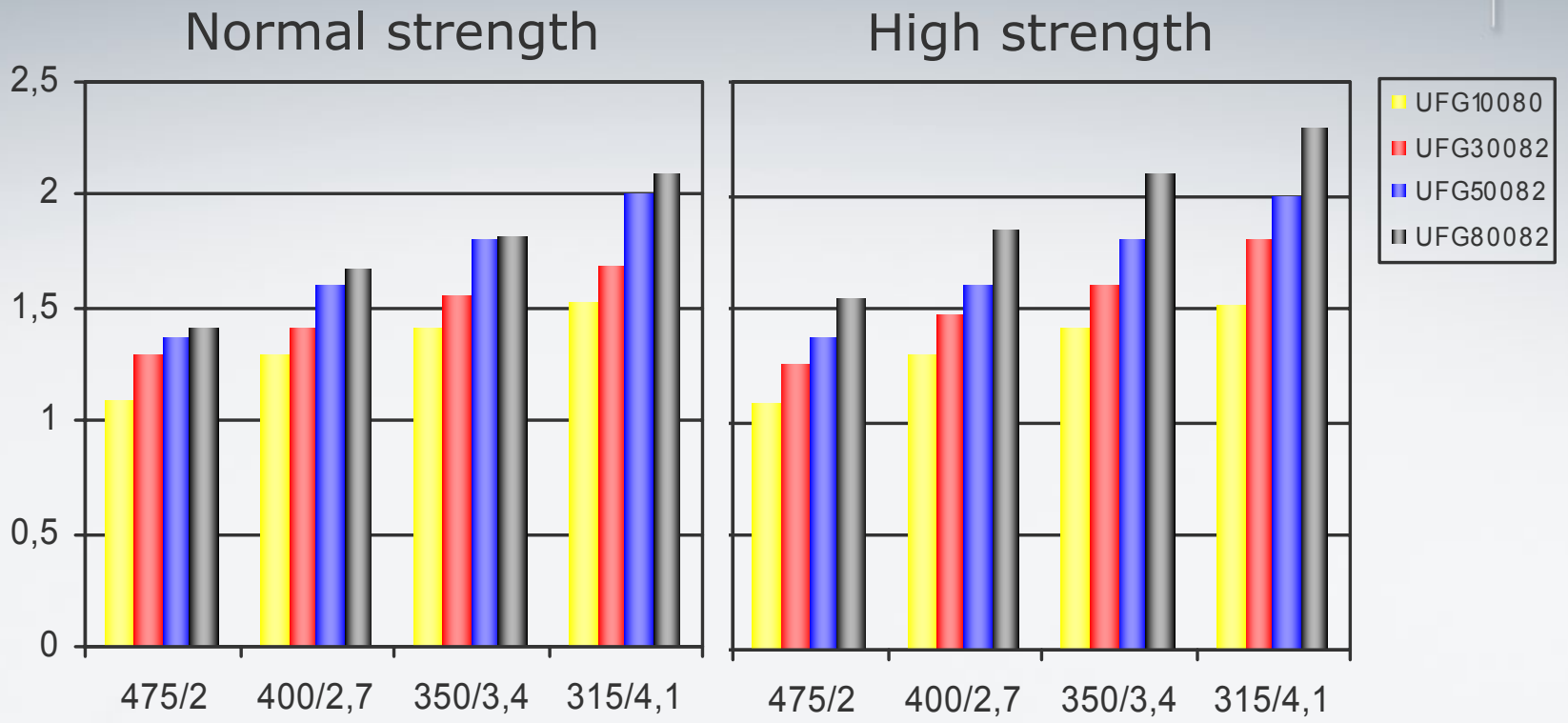
Density – Process inks



Printed with Nilpeter press FAH plate, Permarco anilox on Castgloss at 60 m/min

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UV flexo
for label applications

	Flexocure Gemini	Flexocure Σ	Flexocure XS	Flexocure Ivory	Flexocure Ebony
PS Paper Labels	• • •	• • •	•	•	• • •
PS Thermal Labels	• •	• • •	—	—	—
PS Film Labels	• • •	• • •	• •	• • •	• • •
Unsupported film labels	• • •	• •	• •	• •	• •
Shrink sleeves	•	•	• • •	—	•
Flexible packaging	• • •	—	—	•	•

• • • Highly recommended • Can be used - Not recommended

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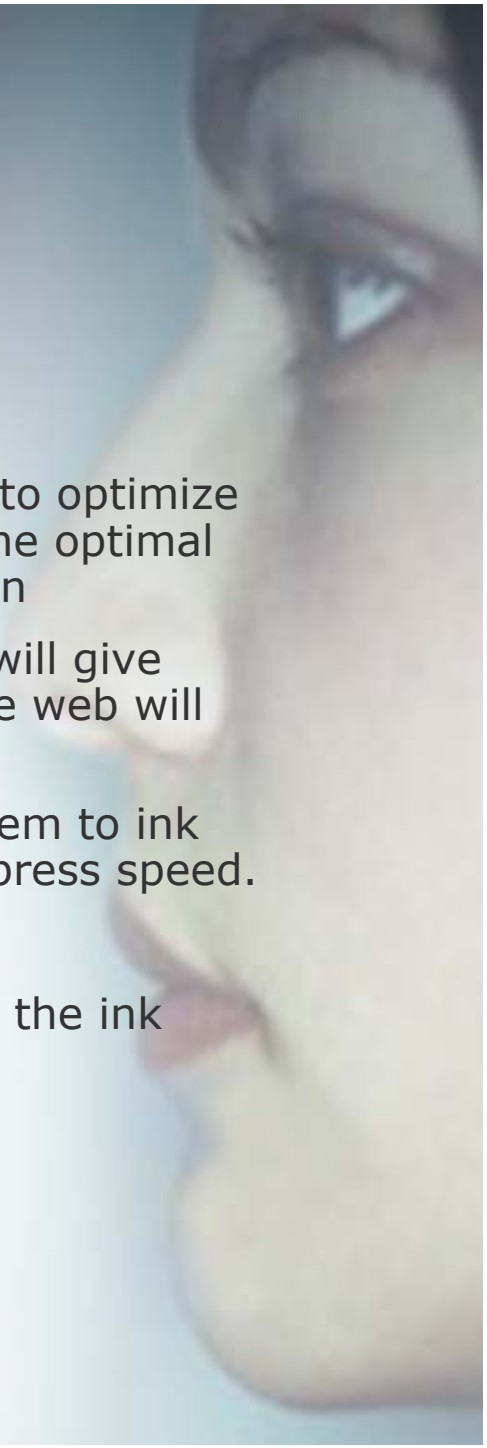
UV flexo
PS Paper

- To get optimal adhesion and printability
  - Follow recommendations from substrate supplier
  - As flexo is a “kiss” printing process is it very important to optimize the combination of anilox roller, plate and tape to get the optimal laydown which will enhance the printability and adhesion
  - UV flexo printing process is very sensitive to dust as it will give hickies in the print. Usage of web cleaning device on the web will help this.
  - The hold out can vary from paper to paper and ink system to ink system. Worst case is with low film weight at very low press speed.
  - Optimal condition for humidity is 40-60%
  - Bad adhesion can often be caused by bad curing, check the ink curing!



UV flexo
PS Film

- To get optimal adhesion
  - Follow recommendations from substrate supplier
  - Surface tension needs to be above 38 dyne/cm
  - Use corona treatment if needed
  - If top coated substrates are corona treated water resistance can be reduced
  - As flexo is a “kiss” printing process is it very important to optimize the combination of anilox roller, plate and tape to get the optimal lay down which will enhance the adhesion
  - Optimal condition for humidity is 40-60%
  - Bad adhesion can often be caused by bad curing, check the ink curing!
  - The adhesion can be improved by adding adhesion promoter to the ink

UV flexo
Recommendation – PS Film

Material	Flexocure Gemini	Flexocure Σ
PE	● ● ●	● ● ●
PE TC	● ● ●	● ● ●
PP	● ● ●	● ●
PP TC	● ● ●	● ● ●
PVC	● ●	● ●
PET	● ● ●	● ● ●
BOPP	● ●	●

● ● ● Highly recommended ● Limited use - Not recommended

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Flexocure Gemini
Adhesion

- To get optimal adhesion
  - Follow recommendations from substrate supplier
  - Surface tension need to be above 38 dyne/cm
  - Use corona treatment if needed
  - Optimal conditions for humidity is 40-60%
  - Bad adhesion can often be caused by bad curing, check the curing of the ink!

Material	Result
Cast coated paper	• • •
Machine coat paper	• • •
TC Thermal paper	• •
UNC Thermal paper	-
PE	• • •
PE TC	• • •
PP	• •
PP TC	• • •
PVC	• •
PET	• • •
BOPP	• •

• • • Highly recommended • Limited use
- Not recommended

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Flexocure Gemini

True multipurpose UV Flexo ink

- Adhesion to a wide range of synthetic materials
- Very good colour strength
- Very high printing speed
- Excellent printability and dot reproduction
- Low viscosity and good ink duct behaviour
- Very good Chemical resistance properties
- No plate swell
- Very good hold out on absorbent papers
- Very low odour

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