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# TECHNICAL DATA SHEET

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## FPC UV FLEXO METALLIC INKS

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**DESCRIPTION** Food packaging compliant (FPC) UV flexo metallic ink range suitable for non-direct food contact packaging applications as well as general label printing.

- PROPERTIES**
- ✓ Excellent adhesion properties
  - ✓ Fast cure
  - ✓ Excellent printability
  - ✓ High brilliance/lustre
  - ✓ Stable one pack inks
  - ✓ Formulated for non-direct food contact packaging applications

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**RANGE**

Product	Code
PMS 871 Gold	FPCRLM271-02
PMS 873 Gold	FPCRLM273-02
PMS 877 Silver	FPCRLM277-02

These inks are not suitable for exposure to high temperature in conventional and/or microwave ovens or pasteurisation/sterilisation processes.

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**SUBSTRATES** Suitable for a wide range of substrates including:

- ✓ Coated PE and PP
- ✓ Coated papers and board

The suitability of uncoated synthetic substrates such as PP should be tested before printing. The surface tension should be 38 dyne/cm or above. Corona treatment should be considered to improve the wetting and adhesion onto the substrate.

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**APPLICATION** **Mix well before use.**

**Anilox Selection:**  
80-160 l/cm (200-400 lpi) volume 8-15 cm<sup>3</sup>/m<sup>2</sup>

Note: The increase of the high lustre metallic effect is relative to the increase of film weight. However, higher film weights may lead to increased migration levels.

**Minimum lamp power – 160 W/cm**

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Fully cured UV flexo inks will obtain resistance properties 24 hours after printing. To improve on the resistance properties of these metallic inks, over varnishing may be required.

Note: The risk of migration is increased if the inks are not fully cured.

Clean equipment immediately after use.

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**RESPONSIBILITY**

**These products have been formulated to comply with the regulations and guidelines for non-direct food contact packaging applications. However, it is the responsibility of the seller of the finished product to ensure all members of the packaging chain comply with recommended guidelines and regulatory requirements.**

**The risk of any contamination affecting food packaging applications should be assessed prior to use.**

**Please contact [compliance@pulserl.com](mailto:compliance@pulserl.com) for more information.**

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**STORAGE & HANDLING**

Containers should be tightly closed immediately after use. All products, including uncontaminated press returns and unopened containers, should be stored at temperatures between 5°C and 25°C.

Shelf life is 6 months from date of manufacture (as indicated on the label).

Please be aware that blending metallic inks with other UV flexo inks will drastically reduce the shelf life. It is highly recommended that coloured metallic inks are blended press-side immediately before use and any ink left over is discarded.

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**HEALTH & SAFETY**

Please refer to relevant SDS for information on labelling classifications, waste product and container disposal, and personal protection measures.

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**AUXILIARY PRODUCTS**

Cleaner: RLA350 UV Wash

**Note: The addition of auxiliary products to the FPC inks may have a negative effect on levels of migration.**

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**FURTHER INFORMATION**

For more information, please contact your local representative or email [technical@pulserl.com](mailto:technical@pulserl.com).

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**DISCLAIMER**

The information contained in this data sheet is correct to the best of our knowledge. It is intended as a guide only for the optimum use of the named product(s) and is not intended as a warranty or as a specification. The product(s) included in this datasheet may not be suitable for use with other materials or in processes other than those specifically described. The user(s) should always make their own tests to establish that the product(s) meets their specification and complies with any appropriate guidelines or regulatory requirements. One or more of these products are currently undergoing beta-testing and is therefore subject to change if certain properties can be improved upon during this period.



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