



## TECHNICAL DATA SHEET

FR413 (REV. 01)

### PROTECTPACK ANJOFLEX

Graphic ink used in flexo and rotogravure machines. Developed for Polyester Film (PET / PE, Metallized PET / PE and PET / Aluminum / PE) and Bioriented Polypropylene (BOPP) and Polyethylene (PE) films. Innovative high performance ink line that ensures bacteria elimination from packaging for up to 12 months, bringing benefits for both packaging converters to end consumers. Has bactericidal action, good gloss, excellent drying and strength higher than conventional lamination line with low residual solvent content.

Its efficacy for antimicrobial action has been tested and approved as per to norm parameters JIS 2801:2000 (Japanese Industrial Standard), from Japan, for antimicrobial products, held at CONTROLBIO, accredited testing laboratory by Cgcre, in accordance with ABNT NBR ISO/IEC.17025, number CRL 0545.

#### RECOMMENDATIONS OF USE

Suitable for printing laminated packaging that has greater need for antibacterial protection like the food packages that are fridge, yogurt, poultry slaughtered, milk powder, among others and also of personal hygiene such as disposable diapers, sanitary napkins and various others. For use on external prints must be added with Slip Additive (Code: 019483-00), thus can be indicated for the AnjoPP and Anjoice Lines (except in applications that require alkali and dairy acid resistance such as milk and yogurt). Not suitable for packaging requiring oil resistance (Anjocereal Line). Not suitable for printing on PET 1021 (corona treatment).

#### TYPICAL PROPERTIES

<b>Color</b>	As per customer standard
<b>Appearance</b>	Viscous liquid
<b>Density (25 °C)</b>	1,00 g/cm <sup>3</sup> (approximate value)

#### ANJO TINTAS

Unit IV – ANJOPRINT

Rod. SC 108, s/n - km 366 - B. São Simão - Morro da Fumaça – SC/Brasil - CEP: 88830-000

Tel: +55.48.3461-8000 Fax: +55.48.3461-8001

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<b>Non-volatile matter</b>	≥ 25,0% (As per ink)
<b>Viscosity</b>	As per solicitation o customer
<b>Drying</b>	As per solicitation o customer

### APPLICATIONS

<b>Dilution</b>	According to product quality certificate.
<b>Thinner to dilution</b>	Medium drying Thinner. If other solvents are used, it is advisable to consult the Technical Department.

<b>Auxiliary products</b>	Thinner or solvent Accelerator Thinner or solvent Accelerator The addition of one of these products to the paint should be corrective. The addition of retarder or accelerator should not exceed 5% of the ink volume.
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### APPLICATION INSTRUCTIONS

Shake the contents with a mechanical stirrer. Make sure no pigment is trapped at the bottom of the container. Adjust the viscosity only after its perfect homogenization. During printing, the reservoir, the inkwell and the tin should remain closed. In stock keep cans tightly closed in a cool and well-ventilated place.

### SAFETY RECOMMENDATION

Store the product in sheltered, ventilated environments.  
Flammable product, keep away from sparks, sources of ignition, do not smoke.  
Product when applied emanates vapors that should be avoided with the correct use of PPE, such as masks and respirators.

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Avoid skin contact using gloves, goggles, proper clothing, protective creams etc.

Keep away from contact with children and animals.

### STATUTORY REQUIREMENTS

ANVISA (Brazilian Health Regulatory Agency): Rules heavy metal levels for food packaging that may have contact with children;

FDA (Food and Drug Administration): Norm american regulating foods and drugs for toxicity;

ABRE (Associação Brasileira de Embalagens): Exclusion list to toxicity to ink and solvent the print;

EUPIA (European Printing Ink Association): European exclusion list per toxicity in inks and solvent for printing.

JIS 2801:2000 (Japanese Industrial Standard): Antimicrobial activity and effectiveness test.

### OBSERVATION

The instructions in this bulletin are based on our experience and technical knowledge, however, some factors are independent of our control as a manufacturer, such as:

substrate treatment, application, working conditions, and so forth. Due to substrate diversity and printing conditions, this sheet is sent for proposed information and is offered without warranty as it must be confirmed by industrial testing before products are used.

Use of thinner other than specified may affect product performance.

Anjo is constantly making improvements to its products and we reserve the right to change the contents of this technical bulletin without prior notice. Anjo is not responsible for improper use of the product.

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**Shelf life**      6 months

### **Packing**

Metal bucket 20 L

Drum 200 L

Metal IBC 1.000 L

**Review**            28/07/2020

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