

Primers and Inks (Aqueous based) for UV Inks

## AQUES AC Series



AQUES AC was designed as an under printing aqueous-based primer (ink) for UV inks. It is designed to give best possible primer properties (ink acceptance, adhesiveness) to UV inks. By allowing brilliant metallic, pearlscent and hiding effects, which are difficult to achieve in offset printing, it enables added value inline printing. In addition, offline printing with varnish coaters, etc., is also possible. This product is low VOC, environmentally friendly, aqueous-based primer (ink) that conforms to NL Regulations. Thus, it can also be used for the printing of environmentally friendly products.

### ■ Product List

Name	Type	Notes	
AQUES AC Pearl	Silk Gloss		
	100 Pearl Gloss	※Custom Made	
	200 Highly Brilliant Pearl Gloss		
	300 Colored Pearl Gloss	※Custom Made	
	Special Color Polarization Color	Polarization Colored Pearl Gloss	※Custom Made
AQUES AC Silver	200 Highly Bright Silver	※Custom Made	
	300 Metallic Luminance		
AQUES AC White	White		
AQUES AC Clear	For Primer Use	It can be used as a diluent.	

※Production of the custom-made products starts from the ordering of pigments, and so delivery takes about 1 to 3 weeks.

### ■ Applications

- ▶ Coated paper
- ▶ PET
- ▶ PP sheet
- ▶ Aluminum evaporation paper
- ▶ Synthetic paper

### ■ Paper Related Information

- ▶ AQUES AC Pearl and Silver are not suitable for papers of poor smoothness, such as non-coated and embossed papers.

- ▶ Even in case of coated papers adhesiveness and back trap can be inferior if the surface processing of the paper comes off easily when rubbed with water.
- ▶ We also offer S type that provides improved scratch resistance for nonabsorbent papers, such as PP, PET, aluminum evaporation, and YUPO papers. Confirm adhesiveness and other physical properties prior to use.
- ▶ In offline use provide sufficient airflow to avoid waviness of paper due to moisture.
- ▶ When using a stencil for the first time or changing print conditions, such as amount of coat, etc., make sure to confirm the applicability prior to use.

#### ■ Printing Methods

- ▶ Flexographic
- ▶ Rotogravure
- ▶ Coater

#### ■ Handling Instructions

- ▶ This product has a tendency to sediment, therefore, stir well prior to use.
- ▶ It is non-hazardous product, however, it contains low (below 5%) amount of organic solvent and amine. Make sure that the workplace is sufficiently ventilated and flammables are prohibited.
- ▶ Off the shelf household detergents (such as Kao, Magicrin, etc.) can be used as cleaning agents.
- ▶ Handle the solution waste in accordance with the law, such as hiring services of a Waste Management Contractor.
- ▶ We recommend following inks for over printing.  
UV Ink: UV HY-BD.(Eco-mark certified)  
Over-coat: UV VECTA coat varnish.
- ▶ Use Best SP (ink for non-absorbent surface) for oil-based inks.
- ▶ Silver reacts with acid, alkali, and water and emits hydrogen gas. Unseal the lid after delivery and place it on the container; store in a good ventilated cool and dark place. Residual ink should also be stored as above.
- ▶ Make sure to read MSDS thoroughly before using the product.

- ▶ The data contained herein are based on the results of the tests conducted in accordance with the in-house test methods, and are not standard values. Always conduct pre-use tests to ascertain the suitability of the product to your requirements. Nothing contained herein is to be construed as a recommendation for use in violation of any patents, applicable laws or regulations. It is the responsibility of the user to comply in all respects with applicable laws and regulations.
- ▶ Owing to product improvement the information contained herein may be modified without any prior notice.
- ▶ Make sure to read MSDS thoroughly before using the product.