

# ILFORD GALERIE

PROFESSIONAL INKJET PHOTO RANGE

---

## CREATIVE EMULSION

### GCE-A & GCE-B

#### Application

ILFORD GALERIE Creative Emulsion is a water-based inkjet coating solution that has been designed to allow printers to create an inkjet print from any commercially-available, traditional art paper. GALERIE Creative Emulsion, which is applied manually, forms an inkjet receiving layer, that will produce images with a wide colour gamut, excellent sharpness and colour density without compromising the tint or texture of the original paper.

Two types of GALERIE Creative Emulsion, (Blend A and Blend B) are available.

GALERIE Emulsion Blend A is designed to inhibit the ink bleed on the paper to increase the colour density and sharpness. GALERIE Emulsion B is designed to give greater sharpness and density on paper with less texture.

#### Feature

- ILFORD GALERIE Creative Emulsion is available with two types; Blend A and Blend B. The two emulsion have different coating characteristic.
- Blend A solution is able to inhibit the ink bleeding on the paper to increase colour density and sharpness of the image without affecting the texture and tint of paper.
- Blend B solution will give greater sharpness and density to the print.
- It is recommended to experiment with the two blends to create the desired look to inkjet print.
- ILFORD GALERIE Creative Emulsion can be applied to many different kinds of papers, such as Washi papers, Rice Papers, Bamboo Papers, Cotton Papers and so on.
- Both dye ink and pigment ink are applicable.
- It is recommended to use a coating wire-bar to coat the ILFORD GALERIE Creative Emulsion.

#### How to Apply

##### *Blending Blend A and Blend B*

- If you wish to retain the original texture or tint of the art paper as less as possible then, it is recommended to use Blend A solution at the highest blend ratio.
- If the maximum density is not enough with Blend A at the higher blend ratio, it is recommended to increase the blend ratio of Blend B. If the Blend ratio of Blend B is over 50%, the colour density is much increased but the paper texture and tint may be changed.
- In general, higher blend ratio of Blend B provides greater scratch resistance.
- It is also possible to use Blend B only to give the greatest colour density however, this may affect the paper texture and the paper tint.
- Please shake the bottles before mixing. Blend A and Blend B solutions can be blended easily together to create the desired solution.

##### *Coating method*

- It is recommended to coat by using a wire-bar.
- Please see the guide below for the recommended coating thickness, as this will depend on the blend ratio between the two solutions.
- In case there is unevenness or areas that have not been coated, please increase amount of solution. It is also possible to apply the second coating after the initial coating is dried.
- Please increase the amount of coating solution in case you feel less scratch resistance is given on the surface.
- Please fix a piece of paper to be coated onto a flat & smooth table which is wider than the paper.
- Pour the appropriate amount of emulsion onto the upper-end of paper parallel to the coating bar to be applied.
- It is no problem if bubbles are floating on top of the solution as it is poured.
- Please immediately slide the coating wire-bar from the top down to bottom of the paper in one way to coat the solution all over the paper. This should take 1 to 2 seconds in case of A4 size.
- Dry the coated paper in the natural drying condition (3 hours at least) or the dry time can be decreased by applying hot air (such as a hair dryer).

*Amount of Emulsion depending on the blend ratio as a guide*

Emulsion Blend-A	100%	75%	50%	25%	-
Emulsion Blend-B	-	25%	50%	75%	100%
Coating thickness	40 - 55 micrometer		85 - 100 micrometer		
Wire-Bar number	#8 - #16		#32 - #40		
Amount of emulsion to be required	A5	5ml		5ml	
	A4	8ml		10ml	
	A3	16ml		20ml	
	A2	32ml		40ml	

*Drying papers*

- Please hang and stretch the coated papers during the drying process in order to avoid wrinkles.
- It is possible to apply the electric iron (below at 150°C) to make paper flat in case the paper is distorted after drying.

**Specification** ILFORD GALERIE Creative Emulsion Blend A  
 Opacity: white liquid  
 pH: 6-6.5  
 Solid component: 14%  
 Viscosity : 50-100m Pa·s

ILFORD GALERIE Creative Emulsion Blend B  
 Opacity: white liquid  
 pH: 6-6.5  
 Solid component: 23%  
 Viscosity : 900-1400m Pa·s

**Availability**

- ILFORD GALERIE Emulsion Blend A: 1 Litre
- ILFORD GALERIE Emulsion Blend B: 1 Litre

**Note**

- Please shake the bottles well before use.
- If the components are deposited and hardened at the bottom of bottle, please stir thoroughly to dissolve.