

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.

Features

ILFORD GALERIE Creative Emulsion is available with two types; Blend A and Blend B. The two emulsion have different coating characteristics.

- 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 and finish.
- ILFORD GALERIE Creative Emulsion can be applied to many different kinds of uncoated papers, such as Washi papers, Rice Papers, Bamboo Papers, Cotton Papers and so on.
- Creative Emulsion is compatible with both dye and pigment inks.
- It is recommended to use the Creative Emulsion Coating 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 much 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, a 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 use the Creative Emulsion Coating Bar to coat the paper.

Please see the guide overleaf for the recommended coating thickness, as this will depend on the blend ratio between the two solutions.

1. Please fix the paper, that is to be coated, onto a flat and smooth table that is wider than the paper.
 2. Please pour the appropriate amount of emulsion onto the upper-end of the paper parallel to the coating bar.
 3. It is no problem if bubbles are floating on top of the solution as it is poured.
 4. Please immediately slide the Creative Emulsion Coating Bar from the top down to the bottom of the paper in one way to coat the solution all over the paper. This should take 1 to 2 seconds for an A4 sheet.
 5. 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).
- In case there is any unevenness or areas that have not been coated, please increase the amount of solution. It is also possible to apply a second coating after the initial coating is dried.
 - Please increase the amount of coating solution if you need greater scratch resistance.

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Emulsion Blend-A	100%	75%	50%	25%	-
Emulsion Blend-B	-	25%	50%	75%	100%
Coating thickness	40 - 55 μ		85 - 100 μ		
Wire-Bar number	#40		#80		
Amount of emulsion to be required	A5	5ml	5ml		
	A4	8ml	10ml		
	A3	16ml	20ml		
	A2	32ml	40ml		

NB. These amounts are a guideline only and can be adjusted as necessary.

Drying papers

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

Specification *ILFORD GALERIE Creative Emulsion Blend A*

Opacity: white transparent 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.