

Fotospeed

LE30 Liquid Emulsion

Fotospeed LE30 Liquid Emulsion is a Black & White paper photographic emulsion - grade 2 supplied in a form that allows the user to apply it to any surface if the following instructions are adhered to. At all times it should be remembered that you are dealing with a light sensitive product and therefore the precautions for a normal B&W paper should be followed.

PREPARATION FOR USE

Heat container in a water bath to a maximum temperature of 50°C. Leave the lid on to prevent water entering the tub. The emulsion should turn to a creamy liquid in approximately 5 minutes.

When applying to porous surfaces such as paper, wood or stone then you can dilute the emulsion 1 + 2 with water by pouring emulsion required into a beaker and adding water at approx 40°C making a mixture of 1 part emulsion to 2 parts water. Gently agitate the beaker to cause the water and emulsion to mix. Continue heating the beaker until a uniform mixture is obtained. At this point the emulsion is ready for application.

When applying to non-porous surfaces such as glass or ceramics then use it concentrated. Liquid emulsion can be used concentrated for porous surfaces as well, however for economy reasons the 1 + 2 dilution can also be used.

APPLYING THE EMULSION

Ensure that the surface to which the emulsion is being applied is clean and free from grease.

For surfaces such as glass and ceramics pour the concentrated emulsion onto the surface to be coated and brush it across the surface. Remember that ideally the temperature of the emulsion should be maintained otherwise as the emulsion cools on contact with a cold surface then you will end up with a thicker and uneven emulsion layer.

Once coated either place the coated surface in a refrigerator (ensure that the fridge light has been disconnected before opening the fridge) for about 5 minutes to allow the emulsion to harden. Alternatively a hairdryer set to cool can also successfully dry the emulsion.

There is a varnish called "Griffin Varnish", available in most art shops, which is clear and can be used to form a key for the emulsion to adhere to when applying to non-porous surfaces. Griffin can also be used to cover the image after processing and drying to provide protection against physical damage.

EXPOSURE

Place the coated surface under the enlarger and cover it with either light-proof black paper or light-proof black plastic.

Place a piece of white paper as a focusing sheet directly on the light-proof material and turn on the enlarger and make the necessary focusing alterations and stop down. Turn the enlarger off.

PROCESSING

The same processing sequence as for normal B&W processing is used, i.e. Fotospeed PD5 Print Developer and Fotospeed FX20 Rapid Fixer. We also advise the use of a plain water rinse and not stop bath since the acid in stop bath might attack some materials

Do not exceed 20°C at any stage of processing. Preferably process at below 20°C and compensate the exposure. This can be achieved by placing ice cubes into the developer and fixer.

Treat the surface with care and immerse it in a print developer. If this is not possible due to shape or size then pour developer repeatedly over the exposed surface. try not to develop for more than 2.5 minutes.

Fix (with hardener) for a good 4 minutes in the same manner as for development. Washing should be done as for a normal print remembering that non-porous surfaces will wash in 5 minutes whereas porous surfaces will need 20 minutes - but gently.

Drying can be done either by allowing the object to dry naturally or with the use of a hair dryer set to cool

Only open and work in a darkroom. Standard safe-lights (preferably RED) for B&W photographic paper can be used. never open in normal light. preferable keep container in complete darkness when not in use - best to keep in the fridge.

Fotospeed: Tel: +44 (0)1249 714555 Fax: +44 (0)1249 714999
email: sales@fotospeed.com web: www.fotospeed.com