Paterson acuprint developer
(FX-17)

INSTRUCTIONS FOR USE

Acuprint utilises a new combination of developing agents and for the first time in a print developer incorporates a buffer system. It gives maximum image quality on modern enlarging and contact papers. The formula has been evolved by Geoffrey Crawley, inventor of the Acutol developers.

Acuprint produces an image of outstanding sparkle and quality. Its buffer system ensures a very full image scale and separation of tones and their retention over a large working capacity. Rich maximum blacks and preservation of full base whiteness are characteristic of prints developed in Acuprint. On bromide papers blacks are deep and luminous, whilst the warmth of tone natural to chlorobromide papers such as 'Bromesko', 'Plastika', 'Portriga' etc. is fully preserved.

PREPARATION AND USE

enlarging papers

Dilute the concentrate 1+9 for normal use. Standard development time is 1½-2 minutes at 68°F. (20°C.). When exposure is correct the image begins to appear in 15-20 seconds i.e. the Watkins factor is 6X. Development then proceeds rapidly for 45 seconds, after which the image builds up slowly to maximum depth. This rapid appearance and slow build-up allows the fullest control of print depth and contrast. The developer will work at lower or higher temperatures with no effect on image quality with times adjusted as shown in the table below.

Acuprint will permit considerable compensation for exposure errors. Over-exposed prints may be 'snatched' after 45 seconds with minimum effect on image quality. Acuprint also allows prints to be 'forced' well beyond normal development time to compensate for under-exposure or where a more contrasty print is required, without highlights becoming veiled.

contact papers

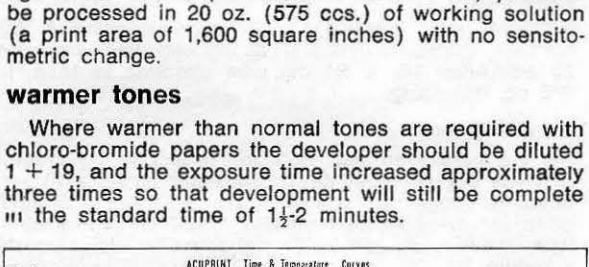
For use with contact papers dilute 1+3 and develop for 45–90 seconds at between 65° and 68°F. (18°–20°C.).

working capacity

Acuprint has an unusually long working life. At normal dilution the developer allows at least 20 average toned 10 x 8 (18 x 24 cm. Continental) prints to be processed in 20 oz. (575 ccs.) of working solution (a print area of 1,600 square inches) with no sensitometric change.

warmer tones

Where warmer than normal tones are required with chloro-bromide papers the developer should be diluted 1 + 19, and the exposure time increased approximately three times so that development will still be complete in the standard time of 1½-2 minutes.



development times at other temperatures

Acuprint gives identical image colour and quality over the entire temperature range. The Watkins Factor is X6, i.e. development is complete in about 6X the time taken for the image to appear. Between 65° and 70°F. (18° and 21°C.), development time is 1½-2 minutes. Taking exposure times at 68°F. (20°C.) as standard, exposure should be increased by ⅓rd approximately at temperatures 60°F.-45°F. (15°C.-7°C.) and by 50% approximately below 45°F. (7°C.) to compensate for loss of effective speed at low temperatures. At such low temperatures the effect of a one grade softer paper is obtained without loss of maximum black. Shorter development times at low temperatures can be obtained by diluting the developer 1+2 at 55°F.-45°F., and 1+1 below 45°F. The Watkins factor remains 6X.