



NEWS 43 INFRARED RECORDING FILM

Description

NEWS 43 is a high contrast, high resolution Imagesetter Film with excellent exposure latitude designed to work with Infrared Imagesetters. For trouble free transportation this film has antistatic protection and high surface resistance properties.

Sensitivity

NEWS 43 780nm - Infrared

Safelight

Encapsulite T20/ND 1.05

Processing

Developer:*

Process in #1 Network Developers for the optimum results.

Mixed 1 part with either 3 or 4 parts water.

Note: 1:3 provides slightly higher contrast and latitude.

Temperature: 95°F / 35°C

Development Time: 30 Seconds

Replenishment Rates

Developer: 25ml per square foot (.85 oz.)

Fixer: 35ml per square foot (1.2 oz.)

#1 Network Universal Fixer Concentrate,
3100 Fixer recommended with hardener.

Recommended Procedure for Processing

This procedure is suggested, to avoid an underdeveloped/overexposed situation at the imagesetter.

- 1) Cut a 3 to 4 inch strip from film protruding from take-up or feed cassette.
- 2) Develop the excessively exposed strip.
- 3) When properly developed, the strip D/Max should be 5.00 plus. With full development the emulsion sensitivity is maximized.
- 4) With a 5.00 plus D/Max, the product is ready for exposure calibration in the imagesetter. (see below).

Exposure Calibration

NEWS 43 should be exposed to produce a D/Max of 4.20 to 4.40. In Hard Dot developers at low dilution rates (Kodak RA 2000, 2020HD, & 2100), the D/Max should be 4.40 to 4.60. After correct exposure is obtained, the imagesetter should then be calibrated to proper dot percentages.

Note:

When you install new films or processor chemicals, it is a good ideal to run a few "**Dr. Clean**" cleaner sheets. "**Dr. Clean**" cleaner sheets will virtually eliminate any potential for pinholes and ensure that every #1 Network film will look it's very best!

*For optimum results, process in any of these developers:

#1 Network 2100 HD Developer

#1 Network Rapid HD Developer