



#439 HN/VLD LASER FILM

Description

#439 is a high contrast, high resolution Imagesetter Film with excellent exposure latitude designed to work with Helium Neon and Red Visible Laser Diode Imagesetters. For trouble free transportation this film has antistatic protection and high surface resistance properties. #439 is not available with a matte base. Use 435M HP Laser film for this requirement.

Sensitivity

#439 633nm to 670nm HN/Red Laser Diode

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 4.60 plus. With full development, the emulsion sensitivity is maximized.
- 4) With a 4.60 plus D/Max, the product is ready for exposure calibration in the imagesetter. (see below)

Exposure Calibration

#439 should be exposed to produce a D/Max of 4.00 to 4.20. 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