



#402, 402M, 407M HP HN/VLD FILM

Description

#402 HP is for use on scanners with a helium neon (HN) or visible red laser diode (VLD) exposing source.

#402 HP (.004) is coated on an optically clear antistatic polyester base.

#402M HP with matte on emulsion for flexo use.

#407M HP with matte on emulsion, .007 base.

Sensitivity

402HP, 402MHP, 407MHP 633nm to 670nm

Safelight

Encapsulite T20/ND105, or equivalent, for a minimum of time, and a distance of at least five feet.

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

#402HP, 402MHP, 407MHP should be exposed to produce a D/Max of 4.40 to 4.60.

In hard dot developers at low dilution rates

Kodak RA 2000,

#1 Network Rapid HD,

2020 HD, & 2100 HD

the D/Max should be 4.60 to 4.80.

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