# #735
# HARDDOT HN/VLD LASER FILM

## Description
#735 is a special purpose HardDot Imagesetting Film specifically designed for the ultimate quality in high production commercial applications. Designed to work in Helium Neon and Red Visible Laser Diode Imagesetters.

Benefits include:

- #1 Network's specially prepared Diamond Hard (DH) surface for superior protection against scratching and abrasion.
- HST surface coatings for trouble free High Speed Transport.
- Special Antistatic coatings significantly minimize pinholes and dust.
- New and Advanced Synthetic Gelatin coatings, manufactured without animal gelatins set new standards in extremely tight film registration.
- These gelatins tolerate expansive changes in environmental conditions with minimum dimensional change.
- Outstanding contrast, image and character resolution in a wide range of developers and processing conditions.

## Sensitivity
#735 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 concentrate with either 2 or 3 parts water.
Note: 1:2 provides slightly higher contrast and latitude and better linearity.

*Temperature:* 95ºF / 35ºC

*Development Time:* 30 to 35 Seconds
*Fixer* 80ºF / 90ºF

## Replenishment Rates
Developer: 25ml per square foot (.85 oz.)
Fixer: 35ml per square foot (1.2 oz.)

Recommended Fixers:
#1 Network Universal Fixer Concentrate,
3100 Fixer.
Note: Due to #1 Network's unique Diamond Hard (DH) synthetic gelatin, no fixer hardeners are required.

## 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 4.20 to 4.40 plus D/Max, the product is ready for exposure calibration in the imagesetter. (see below)

## Exposure Calibration
#735 should be exposed to produce a practical D/Max of 4.20 to 4.40. In hard dot developers at low dilution rates (Kodak RA2000, #1 Network Rapid HD, & 2100 HD), performance is maximized. After correct exposure is obtained, the imagesetter should then be calibrated to proper dot percentages.

*For optimum results, process in any of these developers:
#1 Network 2100 HD Developer
#1 Network Rapid HD Developer