



Ultima Hard Dot HN/LD Imagesetting Film Spec Sheet

Description: Ultima Hard Dot Film incorporates the latest improvements to Hard Dot emulsion technology: Higher quality images, better transportation, superior development and system latitude, better tint uniformity and scratch resistance. It has extremely high resolution, and is fully linearized for complete, but simple calibration.

Sensitivity: 633nm to 670nm (HN/RLD/V LD)

Safelight: Encapsulite T20/ND1.05

Processing:

Developer*: Hard Dot Developer mixed 1 part with 2 parts water

Temperature: 95°R/35°C

Development Time: 30 seconds

*For optimum results, process in 4th generation chemistry diluted with 2 parts water.

*HD refers to HardDot when mixed 1:2.

These developers are also rapid access developers, when mixed 1:3 or 1:4.

Replenishment Rates:

Developer: 45ml per square foot (1.53oz.)

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

Procedure for Processing:

- 1) Cut a 3 or 4 inch strip from film protruding from supply cassette.
- 2) With processor at recommended settings, develop the excessively exposed strip.
- 3) When properly and adequately developed, the strip D/Max should be 5.50 to 6.20.
With full development, the emulsion sensitivity is maximized.
- 4) With a minimum of 5.50 D/Max, the film is ready for exposure calibration in the imagesetter.

Exposure Calibration: This film may be calibrated to accurately obtain a 50% dot, or 5.00 to 5.20 D/Max in the 100% solid square.

IMPORTANT: HardDot film must be processed in a recommended “HD” developer diluted 1-part concentrate to 2-parts water. It is also important to replenish at the recommended rates. Additional “anti-oxidation” replenishment may be required. Total replenishment should equal at least ½ of the volume in the processor tank per week in “low load” situations.

Departure from these instructions may result in “pepper” or thin “pressure lines”. Both artifacts are caused by a chemical imbalance. If pepper is encountered, you must dump the developer and increase replenishment