#320
HP PREMIUM HARDDOT CAMERA FILM

Product Application
#1 Network #320 HP is a 4th generation HardDot camera film. #320 consistently produces sharp edged linework and halftones of the highest quality.

Safelight
As an orthochromatic film, #320 is processed under standard Series 1A red safelight, or red filter sleeves with florescent tubes.

Suggested Exposure (Linework at Same Size)
Quartz Camera Lamps   F-22   15-20 Seconds
Pulsed Xenon
Camera Lamps   F-32   10-15 Seconds

On a 12 step camera grey scale, expose #320 to a Solid step 4. Proper contrast of #320 is indicated with a light grey in step 5. Main exposure for halftones, is approximately 3 times the established linework exposure.
A normal flash test will determine correct exposure for shadow areas of halftones.

Machine Processing
Deep Tank (Over 7 gal.)
       Time   35-60 Seconds
       Temp   80-90°F (26-32°C)

Shallow Tank (7 or less gal.)
       Time   35-40 Seconds
       Temp   95-100°F (35-38°C)

Developer*:
#1 Network HardDot Developer
Mixed 1 part with 2 parts water

Temperature: 95°F / 35°C

Development Time: 30 Seconds

Replenishment Rates
Developer: 45ml per square foot (1.53 oz.)
Fixer: 35ml per square foot (1.2 oz.)
              #1 Network Universal Fixer Concentrate,
              3100 Fixer recommended with hardener.

Tray Processing
#320 HP may be tray processed at 1:1 dilution.

IMPORTANT: HardDot films 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** 1/2 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.

*For optimum results, process in 4th generation chemistry diluted with 2 parts water.
#1 Network 2100 HD* Developer
#1 Network Rapid HD* Developer
Kodak RA 2000
Fuji Forte HQ
*HD refers to HardDot when mixed 1:2.
These developers are also rapid access developer, when mixed 1:3 or 1:4.