

# SOUTHERN LITHOPLATE Premium News HN/RLD DUAL SPECTRUM FILM

**UNCOMPROMISING QUALITY. UNEXPECTED PRICE.**

Compare our HN/RLD Dual Spectrum film\* against the top names in the industry and you'll find our film offers the same characteristics and performance without the higher price you're used to paying. See for yourself. You'll wonder why you've been paying more for top quality.

## DESCRIPTION

- HN/RLD Dual Spectrum film is negative-acting, high contrast and red sensitive. It is designed for use on imagesetters/recorders/scanners equipped with Helium Neon (HN) laser emitting at 633 - 670 nanometers.
- HN/RLD Dual Spectrum film is coated on a 0.10 mm/4 mil permanent anti-static polyester base with optimum dimensional stability. Available in clear surfaces.
- HN/RLD Dual Spectrum film always provides the consistent, high quality demanded by color separations, line art, text or halftone reproduction.

## FEATURES

- High speed
- Low minimum density
- Low UV D min
- Compatible with all red laser systems (Both Helium Neon and Red Laser Diode)
- Excellent image and dot quality
- High practical density (4.00 O.D.)
- Clear base film
- Permanent anti-static base material
- Excellent latent image stability
- Wide exposure latitude
- High consistency
- Compatible with all capstan, internal drum and external drum recorder systems
- Compatible with the most common Rapid Access chemistries on the market
- Officially qualified by major OEM's
- Suitability of Demax - 4.0 for printing
- High scratch resistance
- Linear - Needs minimal calibration. However, if the film requires large calibration, tone jump and other problems occur when a gradation is output. The Shamrock has Integrated Acceleration Emulsion Technology for stability of density where other films are more susceptible to developer, age, and density shift.

## EXPOSURE CONTROL

The correct exposure intensity setting will vary according to processing conditions and the type of imagesetter/recorder/scanner used.

1. Use the procedure recommended by the equipment manufacturer to produce a series of exposure tests at different exposure intensities.
2. Select the exposure intensity that gives D-max 4.00 O.D. (or higher), according to the equipment.
3. If required, use the equipment manufacturer calibration software to obtain linearized film output.
4. Adjust image intensity to achieve a density of 4.2. Then run standard calibration software to achieve desired dot values in each step.

## APPLICATIONS

HN/RLD Dual Spectrum film is a hard dot film designed for use in recorders with helium neon lasers and red laser diodes.

## SIZES

HN/RLD Dual Spectrum film is available in standard packaging to match the needs of imagesetters on the market. Film rolls can be supplied either as Darkroom or Daylight Loading.

## PROCESSING

HN/RLD Dual Spectrum film is virtually compatible with all the Rapid Access processing chemicals and processors. Process Southern Lithoplate HN/RLD film under the same conditions used for your current film.

Processing developer: 650 Developer, 95°F or 35°C for 20 - 40 sec.  
Fixer: URFC Fixer  
Hardener: URHS Hardener 72 oz. to 20 gal.

## PROCESSING RECOMMENDATIONS

Before handling or using any chemical product, be sure to read the Material Safety Data Sheet for health hazard data, precautionary information and suggested first aid.

SOUTHERN LITHOPLATE	TEMPERATURE	TIME	REPLENISHMENT RATE
Developer	90°F - 100°F	20-25 seconds	.20 ml/sq. in. (at 85% exposure)
Fixer	90°F - 95°F	20-25 seconds	0.06 ml/sq. in. (at 85% exposure)

## STORAGE

For optimum results, please store HN/RLD Film in a flat position and light-tight package at temperatures no higher than 68° F with a relative humidity between 30% and 60%.

## SAFELIGHT RECOMMENDATION

- Green - 10W at a distance of three feet
- Spectral sensitivity: 630 - 670 NM

## CALL TODAY FOR MORE INFORMATION

To find out how you can save money without sacrificing quality with our quality HN/RLD dual spectrum film, contact Southern Lithoplate at 800-638-7990 or visit our Web site at: [www.slp.com](http://www.slp.com)



P.O. Box 9400  
Wake Forest, NC 27588-9400  
Phone: 800-638-7990  
Fax: 919-554-0786