

FUJIFILM RECORDING FILM HG HRD**FEATURES**

Recording Film HG HRD is a film in Fujifilm's HQ System which designed for color scanners or imagesetters equipped with infrared LASER diodes (780 nm). Our charged acceleration emulsion technology provides the following features when used with HQ System developer.

1. A new film base minimizes the effect of humidity on film size, helping to assure more accurate imagesetter output.
2. When used with imagesetters such as the Fujifilm FD-3100, if necessary, developing time can be reduced to about two-thirds of the previous requirement, or approximately 20 seconds. This ends the need for waiting during continuous processing, boosting productivity. Quicker processing will also allow users to take full advantage of new and faster RIPs.
3. Superb hard and sharp dot reproduction.
4. High Dmax.
5. Handling as easy as rapid access.
6. Accurate tone reproduction of stochastic dots.

BASE

0.1 mm polyester base

SENSITIVITY

Infrared sensitive

SAFELIGHT

Use under Fuji Safelight Glass SLG No.4 LDW (light green) with a 20 W bulb at a distance of at least 1 m.

PROCESSING HG HRD can be processed in various rapid access processors.
To obtain "HQ performance", process at the following conditions.

Processing Conditions

Case 1

Standard Processing Conditions

Step	Temperature	Time (sec.)	Remarks
Development	35 °C (95 °F)	30	—
Fixing	34 °C (93 °F)	—	—
Wash	—	—	Flow rate of at least 5 liters/min.
Dry	40 °C (104 °F)~50 °C (122 °F)	—	—

Case 2

When used with Fujifilm FD-3100 or Dainippon Screen DT-R3100 (if necessary)

Step	Temperature	Time (sec.)	Remarks
Development	38 °C (100 °F)	20	—
Fixing	36 °C (97 °F)	—	—
Wash	—	—	Flow rate of at least 5 liters/min.
Dry	50 °C (122 °F)~60 °C (140 °F)	—	—

Mixing Chemicals

(1) Liquid Chemicals*

Chemical	Name	Dilution Ratio (Chemical : Water)
Developer	QR-D1	1 : 3
	HR-D1	1 : 2
Developer Replenisher	QR-D1	1 : 2
Fixer, Fixer Replenisher	UR-F1	1 : 2

(2) Powder Chemicals*

Chemical	Name	Mix with water up to:
Developer	QR-D1 PD	20 liters
	HR-D1 PD	20 liters
	ChemPact HQ	20 liters
Developer Replenisher	QR-D1 PD	20 liters
	ChemPact HQ	20 liters
Fixer, Fixer Replenisher	UR-F1 PD	20 liters
	ChemPact Fixer	20 liters
Fixer Hardener	UR-F1 PD H	—
	ChemPact Hardener	—

* Available Chemicals depend on the territory.

For details about HQ chemicals, see the HQ System Processing Manual.

Standard Replenishment Amount

The standard replenishment amount per one sheet of 50.8 cm×61.0 cm (20×24 in) size film is as follows :

(1) Liquid Chemicals

Developer Replenishment : 100 ml

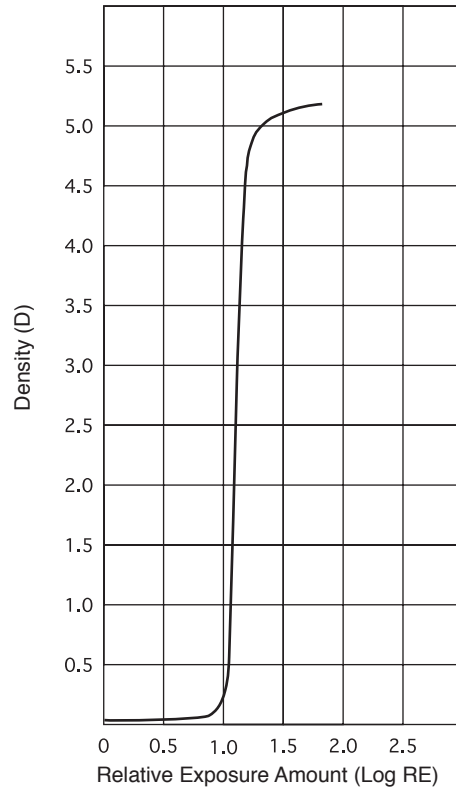
Fixer Replenishment : 120 ml

(2) Powder Chemicals

Developer Replenishment : 120 ml

Fixer Replenishment : 120 ml

CHARACTERISTIC CURVE



Exposure : Xe, 10⁻⁴sec., 780nm
Dev : QR-D1, 35 °C 30sec.

SPECTRAL SENSITIVITY

