CarestreamNDT

# INDUSTREX Films for Industrial X-ray Use - Product Guide[1]

| INDUSTREX Film / Product Code | System Class[2] | | Notched | Replaces | | Available Formats (code) | | | | | | | Spectral Sensitivity | Safelight Filter | Processing Chemicals: Developer —— Fixer | Recommended Starting Points (Development Time and Temperature) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Sheets | | | | Rolls | | | | | | |
| | ASTM E1815 | ISO 11699-1 EN ISO 11699-1 | | STRUCTURIX | FUJI | Non-interleaved (1) | Interleavedd (5) | READY-PACK II (2) | PB Contactpak (7) | NIF Rolls (bulk) (359) | Lead Pack (382) | Ready Pack (381) | | | | |
| DR50 / 6536 | Special | C1 | √ | D2 | IX25 | √ | | | | | | | X-ray and visible blue light | (Red) 1, 2, or GBX-2 | **DEVELOPER**<br>INDUSTREX Single Part Developer Replenisher or INDUSTREX DX Developer[6], mixed 1:3 w/ $H_20$ Replenishment Rate: 665 mL/$m^2$<br>**FIXER[3]**<br>INDUSTREX LO Fixer and Replenisher or INDUSTREX FX Fixer[6], mixed 1:3 w/ $H_20$ Replenishment Rate: 1200 mL/$m^2$ | **AUTOMATIC**<br>8-minute cycle: 100 seconds @ 26˚ C (79 ˚F)<br>5-minute cycle: 60 seconds @ 30 ˚C (86 ˚F)<br>**MANUAL[5]**<br>4 minutes @ 22 ˚C (72 ˚F) |
| M100 / 5532 | CI | C2 | √ | D3 | IX50 | √ | | √ | √ | √ | √ | √ | | | | |
| MX125 / 4748 | CI | C3 | √ | D4 | IX50 | √ | √ | √ | √ | √ | √ | √ | | | | |
| T200 / 6537 | CI | C4 | √ | D5 | IX80 | √ | √ | | | √ | √ | | | | | |
| AA400 / 5533 | CII | C5 | √ | D7 | IX100 | √ | √ | √ | √ | √ | √ | √ | | | | |
| HS800[4] / 5747 | CIII | C6 | √ | D8/ F8 | IX150 | √ | | | √ | √ | | | | | | |

**1** Refer to NDT Resources at carestream.com for film and chemistry technical data.

**2** Classification applies to INDUSTREX films processed in INDUSTREX chemicals, not the other manufacturers' product they are replacing.

**3** For optimum archivability, such as required for nuclear applications, a 10 % increase in the fixer replenishment rate may be desirable. For more information, see CHSP-8984 INDUSTREX Films.

**4** INDUSTREX HS800 Film provides high speed and contrast throughout an extended range of optical densities when used with fluorescent and fluorometallic screens. HS800 is recommended for use with LANEX Fast Screens, CAT 116 0688 (35 x 43 cm) or CAT 861 9553 (30 x 40 cm).

**5** Eliminate guesswork in determining the proper exposure and get more consistent results by using a smartphone app to help with the calculation of exposure times.
Example smartphone apps: GammaCalc / GammaCalc Pro or X-ray Timer

**6** Eco-friendly INDUSTREX DX Developer and INDUSTREX FX Fixer are available in EMEA only. See CHSP-8994 for more information.

**Chemicals (for use with both Automatic and Manual processes):**

- INDUSTREX Single Part Developer Replenisher to make 40 L, CAT 531 5288
- INDUSTREX Single Part Developer Starter to make 19 L, CAT 835 1413
- INDUSTREX LO Fixer and Replenisher to make 40 L, CAT 515 9082
- INDUSTREX DX Developer 2x20 L CAT 550 4923
- INDUSTREX FX Fixer 2x20 L CAT 550 4931

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