

Kodak Industrex DR50

Film

HIGH ENERGY PERFORMANCE.



KODAK INDUSTREX DR50 Film is specifically designed for use in multi-film techniques in your demanding radiographic environment. With both high-voltage x-rays and gamma rays, DR50 will deliver consistently high contrast, very fine granularity, and superior sensitivity to meet your testing needs. It incorporates Carestream Health's patented T-GRAIN Emulsion technology for superb results with direct x-rays or lead foil screens.

The Basics

DR50 Film is an extremely durable slow-speed film with very fine grain. It withstands high temperature and high humidity, and resists both handling and static artifacts. This film is classified as ASTM E 1815 Class Special and EN 584-1 Class 1.

Recommended Uses

KODAK INDUSTREX DR50 Film is available in many sizes and packaging formats, and it's designed for a wide range of applications, including:

- Aircraft inspection
- Assemblies
- Castings
- Electrical components
- Composite, fibre-reinforced
- Forensics
- Munitions, bomb disposal
- Nuclear applications
- Welded fabrication

Get the T-Grain Emulsion Advantages

KODAK INDUSTREX Films with T-GRAIN Emulsion offer a brand new, state-of-the-art technology that's specifically designed for industrial radiographic testing applications. What does that mean for you?

Outstanding Image Quality

With a cool, clean image tone and low noise, you get a sharp, clear image every time.

Convenient Processing Flexibility

The films work well in standard process cycles—but they're just as effective in longer or shorter process cycles.

Superb Durability

The films are static resistant, more heat resistant than conventional systems, incredibly sturdy, and you'll get fewer artifacts from handling.

KODAK INDUSTREX DR50 Film

Processing Options

DR50 Film can be processed manually or automatically in a range of processing cycles.

Notice: Observe precautionary information on product labels and Material Safety Data Sheets. Develop with rack and tank, using properly replenished solutions.

Automatic Processing

See Carestream Health publication TI-2621, *Processing KODAK INDUSTREX Films*, for additional information on automatic processing.

Film Characteristics (Sensitometric)

ISO/EN exposure conditions: 200/220 kV, lead screens; KODAK INDUSTREX Single Part Developer Replenisher and KODAK INDUSTREX LO Fixer and Replenisher.

KODAK INDUSTREX Processors/Cycles	Base + Fog	Contrast ¹
M431C—8 min 79°F (26°C)	0.19	5.4
M431C—5 min 86°F (30°C)	0.20	5.55

¹Contrast calculated between net densities of 1.5 and 3.5.

Manual Processing

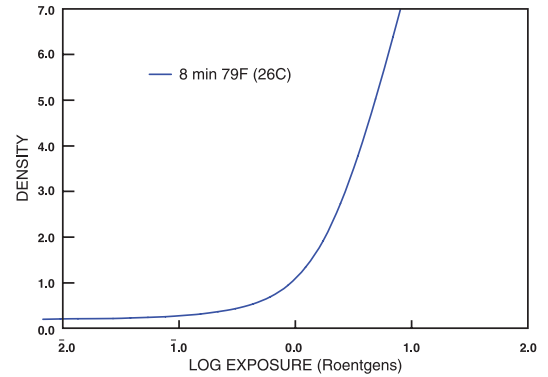
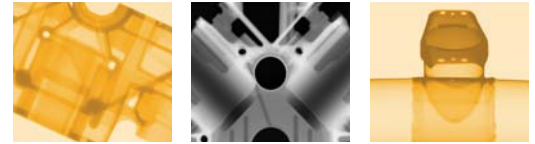
See Carestream Health publication TI-2643, *Guide to Manual Processing of KODAK INDUSTREX Films*, for additional information on manual processing.

Develop with rack and tank, using properly replenished solutions.

Developer	Temperature	Recommended Time (Minutes)	Agitation
KODAK Industrex	68°F (20°C)	5	Intermittent
Single Part Developer	72°F (22°C)	4	(5 seconds,
Replenisher	75°F (24°C)	3	every 30 seconds)
	79°F (26°C)	2	

For More Information

To learn more about KODAK INDUSTREX DR50 Film and other Carestream Health NDT products and solutions, contact a Carestream Health representative at 877-865-6325 ext 714 or visit www.carestreamhealth.com/go/ndt.



Exposure:

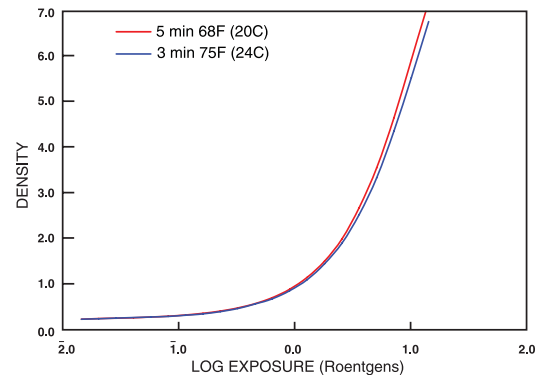
220 kV Direct X-rays with lead screens

Processing:

KODAK INDUSTREX Processor
KODAK INDUSTREX Chemicals

Densitometry:

Diffuse Visual



Exposure:

220 kV Direct X-rays with lead screens

Processing:

Manual; KODAK INDUSTREX Single Part Developer Replenisher

Densitometry:

Diffuse Visual

Kodak

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