

Kodak Industrex High-Speed HS800 Film

CARESTREAM HEALTH'S HIGHEST SPEED FILM FOR INDUSTRIAL X-RAYS.



KODAK INDUSTREX High-Speed HS800 Film is Carestream Health's most versatile film for non-destructive testing. Now you can use one film for any exposure method, whether it's direct x-rays, lead screen, fluorescent screen, or fluorometallic screen. Combined with KODAK LANEX Fast Screens, HS800 Film offers more speed than any film-screen combination available today.

The Basics

HS800 Film offers high speed and high contrast with Carestream Health's T-GRAIN Emulsion technology. This medium-grain film can be processed in automatic processing chemicals in the short 5-minute cycle, or manually in a 2-minute cycle. With a cold image tone and high gloss finish, you get the image you need, whatever the conditions you're working under.

Recommended Uses

Designed for any radiographic application where a short exposure time is an advantage, HS800 Film is suitable for inspection of:

- Thick-wall castings
- Concrete
- Pipeline and lay barge applications
- Bridges
- Construction

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.

Reduced Exposure with KODAK LANEX Fast Screens

Rare-earth phosphor permits greater exposure reduction than CaWO₄ screens.

KODAK INDUSTREX High-Speed HS800 Film

Processing Options

HS800 Film can be processed manually or automatically in a range of processing cycles using KODAK INDUSTREX Single Part Developer Replenisher and KODAK INDUSTREX LO Fixer and Replenisher.

For additional information on automatic processing, see Carestream Health publication TI-2621, *Processing KODAK INDUSTREX Films*. For additional information on manual processing, see Carestream Health publication TI-2643, *Guide to Manual Processing of KODAK INDUSTREX Films*.

Notice: Observe precautionary information on product labels and Material Safety Data Sheets.

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) | 0.22 | 4.4 |
| M431C—5 min 86°F (30°C) | 0.23 | 4.3 |

¹Contrast calculated between net densities of 1.5 and 3.5.

Film Characteristics (Sensitometric)

| Screen | Base + Fog | Relative Exposure ¹ | Contrast ¹ |
|-------------------------|------------|--------------------------------|-----------------------|
| Kyokko SMP 308 screen | 0.225 | 1.8 | 4.1 |
| Rennex screen | 0.23 | 1 | 4.1 |
| KODAK LANEX Fast Screen | 0.23 | 0.25 | 4.8 |

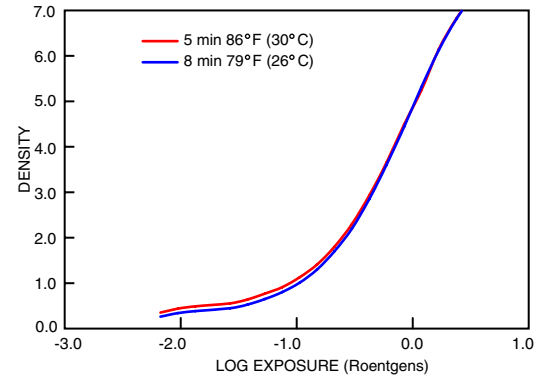
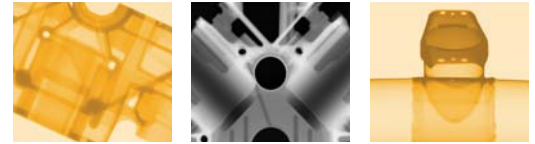
¹HS800 Film with Rennex screen assigned a relative exposure of 1.

Available Sizes:

30 x 40 cm, non-interleaved
14 x 17 inches, non-interleaved
70 mm x 490 ft., bulk roll

For More Information

To learn more about KODAK INDUSTREX High-Speed HS800 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:

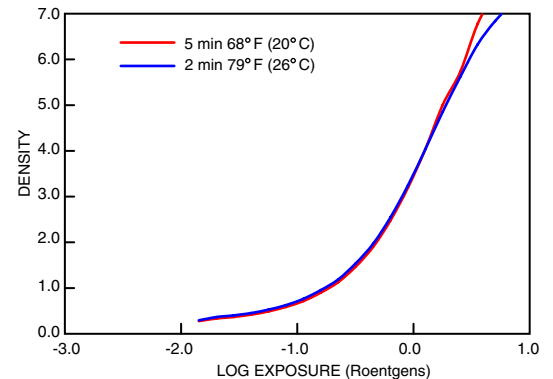
220 kV Direct X-rays with lead screens

Processing:

KODAK INDUSTREX M431C Processor
KODAK INDUSTREX Chemicals

Densitometry:

Diffuse Visual



Exposure:

220 kV Direct X-rays with lead screens

Processing:

Manual; KODAK INDUSTREX Chemicals

Densitometry:

Diffuse Visual

Kodak

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HEALTH

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