

ECO-FRIENDLY AND SINGULARLY EFFICIENT XR D-6/F-6 NDT

NDT X-RAY FILM PROCESSING CHEMICALS



Formaldehyde-free

80 % less cleaning

Odorless

MADE IN GERMANY

RESPONSIBLY PROTECTING HEALTH AND THE ENVIRONMENT



Our products are completely devoid of hazard labels and fully compliant with REACH, for the best possible protection of people and nature.

We have removed all harmful and carcinogenic content from our patented X-ray chemicals. Instead of hydroquinone and aldehyde, we use vitamin C for the NDT Developer, and the NDT Fixer is free of boric acid. Our containers are made of polyethylene, so they are materially and thermally recyclable, and 60% of the carton packaging is made of recycled paper.

Production

The chemicals are developed and produced at our factory in Southern Germany.



Universal usability

DÜRR NDT X-ray Chemicals can be used with all film processing machines and they are also suitable for manual development.

- Standard film processing time 8 min \pm 10%
- Developer immersion time 100 s \pm 10%
- Developer replenishment rate 900 ml/m² of film
- Fixer replenishment rate 1200 ml/m² of film

Development quality

Stunning results, whether you process your films manually or automatically. The activity of the developer complies with the reference values for speed index S_r and contrast index C_r according to DIN EN ISO 11699-2.

Certification

BAM certified in accordance with standards DIN EN ISO 11699-1:2012 and ASTM E1815-08 on pre-exposed test film strips of the respective manufacturer.

Film System Class	Agfa Structurix	Carestream Industrex
C3	D4	MX125
C4	D5	T200
C5	D7	AA400

LOW CONSUMPTION AND EASY TO USE

SAVE TIME AND MONEY WITH 80 % LESS CLEANING EFFORT

Cleaning

By using vitamin C instead of carcinogenic hydroquinone and aldehyde, there is no longer any silver deposited on roller guides and tanks. There is also no more hard-to-remove brown contamination that is a breakdown product of hydroquinone. In practice this extends the cleaning cycle by a factor of five, meaning four out of every five cleaning cycles can be eliminated. Furthermore, you can dispense with toxic cleaning solutions that contain carcinogenic chemicals.

Consumption

The chemical consumption, which is determined by the replenishment rates, is only 900 ml/m² for the NDT Developer and 1200 ml/m² for the Fixer. In fact, 10% less can be used when required.

Usage

Operation with the one-part X-ray chemicals could not be simpler. Pour the concentrate into the tank, add the appropriate amount of water, stir and it is ready! Of course, a chemicals mixer can be used if desired. No starter or other additives are necessary – this simplifies handling and reduces the supplies needed.



Conversion

If you have used other chemicals in your current film processor, you only need to give it a thorough cleaning before converting to our chemistry.



Cleaning films CF 100

Pre-exposed films for cleaning the roller guides in all automatic processors.



XR Cleaner NDT

Free of toxic substances, for a gentle and thorough cleaning.

80 % less cleaning

Save cleaning costs and minimize downtime

CERTIFIED PREMIUM QUALITY

ABSOLUTELY COMPATIBLE AND BAM CERTIFIED - YOU CAN COUNT ON THAT



Free of w
No harmful conte

Odorless

Pleasant to use with no offensive smells

One-part concentrates

No starter or other additives are necessary

Long shelf life

Developer and Fixer remain usable for at least 24 months



BAM certified

DIN EN ISO 11699-1:2012 and ASTM E1815-08 compliant

Green chemistry

Free of all toxic and cancer-causing materials

REACH compliant

Contains no boric acid, hydroquinone or aldehyde

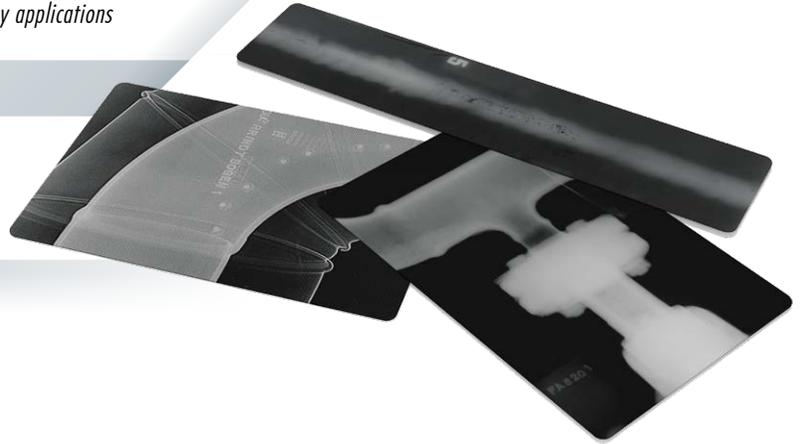


Diverse NDT applications

Proven in oil & gas, aerospace, nuclear and military applications

Universal use

Including mixed systems of different radiographic equipment and films



Warning labels

None means no transport restrictions

Secure archiving

The NDT Fixer protects your radiographs from deterioration with age. We guarantee a virtually indefinite retention period (ISO IE 500) for Agfa Structurix (D4, D5, D7) and Carestream Industrex (MX125, T200, AA400) films when processed in NDT film processors under standard conditions.

SIMPLE FOR STORAGE AND TRANSPORTATION

FREE OF HAZARDS WITH TEMPERATURE STABILITY

No hazard labels

As their formulation completely excludes any hazardous substances, there are absolutely no transport restrictions for our NDT X-ray Chemicals.

Offshore use possible

You will never experience any problems with the disposal of materials when you use X-ray chemicals by DÜRR NDT in offshore or similarly remote locations. Even their transport by aircraft or helicopter is unproblematic.

Frozen? Just thaw and use!

You can use chemicals that are frozen by simply thawing them out and using them routinely. All their properties remain unaffected.

No worries in hot weather

Our NDT X-ray Chemicals remain stable in temperatures of up to +40°C for a period of 14 days.



Technical data

XR D-6 NDT/Developer

XR F-6 NDT/Fixer

Canister capacity	6 liters of concentrate	6 liters of concentrate
Stock solution	20 liters diluted	20 liters diluted
Film processing time	8 min. ± 10%	8 min. ± 10%
Immersion time	100 s ± 10%	100 s ± 10%
Replenishment rate	900ml/m ²	1200ml/m ²
Storage temperature	5°C to 25°C Stable up to +40°C (max. 14 days)	5°C to 25°C Stable up to +40°C (max. 14 days)
Shelf life	24 months	24 months
Packaging size	Carton with 2 x 6-liter containers	Carton with 2 x 6-liter containers
Product number	CXB310A7540	CXB311A7540

Related products for conventional radiography

Automatic X-ray Film Processor XR 24 NDT

Fully automated film processing of the highest standard.



Daylight Loader DL 26 NDT

Light-safe film feeding without a darkroom – quick and easy to connect.



Automatic Replenishment RU 24 NDT

Always the correct dosage of chemicals for the quantity of film processed.

