

SKYDENT F

TECHNICAL DATA SHEET – USER MANUAL

DENTAL INTRAORAL X-RAY FILM

Product Characteristics

SKYDENT F is a high-quality double-emulsion intraoral X-ray film of high speed (ISO class F), high contrast and fine grain, providing high image quality and outstanding detail definition. Its high sensitivity enables reducing the doses of radiation by 50 % in comparison with D-speed film and by 25 % in comparison with E-speed film. This film is intended for intraoral X-ray diagnostics only.

Film Base

Bluish 0.175 mm thick polyester provided with double-sided protective and antistatic layer which protects the film against mechanical and electrostatic damage (ESD).

Technical Properties

- complies with the worldwide tendency of Radiation Protection of Patients (RPOP) of EAIA
- extra soft plastic envelope with rounded corners
- envelope is disinfectable with common disinfectants, waterproof and light-tight
- easy opening and manipulation
- sheet of lead foil on the back side of the film (the side is marked as „back“ on the packet)
- easy sides recognition provided by embossed dot in the top corner of the packet (its raised portion indicates the side facing the radiation source/front side)

Warnings

- * **Indicated parameters are tentative! For correct exposure adjustment use the values recommended by the manufacturer of your X-ray machine. It is better to test the film with different adjustments first.**
- * **Warning! Product is not sterile. It is necessary to disinfect the packet (envelope) of particular pieces of film before and after use in accordance with rules of the particular medical facilities.**

Processing

The film can be exposed in daylight. Exposed films can be processed either manually or in processors. The manual processing should be carried out in a darkroom under indirect dark-red or olive-green safelight. Recommended safelight filters are, for example: Kodak GBX-2, Agfa R1 (dark-red), Agfa G7 (olive-green) and its analogies. It is possible to use any liquid good-quality trademarked chemicals for processing. It is NOT recommended using tablet or powder chemicals.

Packing and Sizing

All types of SKYDENT Dental Film are packed in a tropical vacuum wrapping and put inside paper boxes to prevent all possible kinds of damage.



RECOMMENDED EXPOSURE TIMES*			
Adjustment: 65 kV, 8 mA. Focus film distance = 20 cm			
Maxilla	Exposure (s)	Mandible	Exposure (s)
Incisor	0.14	Incisor	0.11
Premolar	0.18	Premolar	0.12
Molar	0.20	Molar	0.14
For making children's exposures reduce the exposure time by approx. 33 %			
For making exposures of empty spaces reduce the exposure time by approx. 25 %			
For the best possible results it is necessary to reflect all the changes (exposure, mA, kV, focus film distance) in other parameters.			

Manual processing	Automatic processing
developing times/temperature	processing times/temperature
5.0 min/20 °C (68.0 °F)	5.0 min/27 °C (80.6 °F) 4.5 min/28 °C (82.4 °F) 4.0 min/29 °C (84.2 °F)
4.5 min/21 °C (69.8 °F)	
4.0 min/22 °C (71.6 °F)	
fixing times	
2.0 min/15 – 30 °C (59 - 86 °F)	

ISO size	Film dimensions (mm)	Films in one packet	Number of packets in one box
2	30.5 x 40.5	1	150

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The product is CE marked and has been produced and marketed in conformity with a quality system according to the international standard EN ISO 13485 and ISO 3665/5799. Product testing has been performed by independent institution of EZÚ Praha, Czech Republic.

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Storage

SKYDENT F should be stored:

- in the original packing in a dry and cool place
- at a temperature +10 to +21 °C (50 - 69.8 °F) and relative humidity of 40 – 60%
- protected from damaging fumes, gases and ionizing radiation
- For long-term storage the film should be stored in a refrigerator. In such case the film in the intact original packing should be allowed to adjust to room conditions for at least 2 – 4 hours

Waste Management

The usage and processing the SKYDENT products result in production of wastes classified as dangerous. It is therefore necessary to provide its ecological liquidation and recycling. Waste management should be in compliance with local waste legislation as amended.

Particular Waste Categories:

PVC	lead	developers	fixers
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Packing Symbols and Abbreviations:



Keep away from water	Store at humidity 40 – 60%	Store at temperature 10 – 21 °C	Keep away from sunlight/heat and ionizing radiation	Recycling code – other paper	Do not re-use	Do not use if packing is damaged	Read the manual
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Batch number



Expiry (Use by)

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