Technical InfoSheet KORU - XRM / XR7M

Product features

Technical specifications:

Film type	◂ Polyester based recording film for red laser or laser diode. ◂ Spectral sensitivity between 630 and 670nm.
Polyester base	◂ Anti-static, thickness 100µ and 175µ
Image quality	◂ Practical density: >D 5.00 ◂ Screen range: 2 to 98% at 150lpi (depending on the image setter).
Safelight	◂ Dark green, recommended Encasulite T20 ND75
Processing	◂ Recommended Koru Film Dev. or equivalent Hard Dot chemistry
Developer conditions	◂ Between 25 and 40 seconds at 35°C
Replenishment	◂ Koru Film Dev: 200ml/m² at 50% exposed film Koru Film Dev: anti ox replenishment: 1000ml/24h Koru Film Fix: 300ml/m² at 50% exposed

Features:

- Perfect “hard dot” edge sharpness and very high practical density
- Wide System latitude: Wide processing & exposure latitude
- Very good batch-to-batch consistency
- Convenience and ease of use because of available ECO equipment
- Ecological & Economical replenishment, Low chemistry consumption.
- Linear output for conventional screening and stochastic screening
- Anti-static before and after processing
- Recommended film for Sublima Flexo screening

Practical exposure on Koru - KRD

Engine	AccuSet	Avantra
Int. Setting	145	190
Practical density	D. > 5.00	D> 5.00
2400dpi / 150 lpi - no calibration		
Linearity 5%	5%	5%
50%	51%	50%
95%	95%	95%

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User guidelines

Processing conditions

Developer	**Koru Film Dev (1+2)**
Recommended processing time	30 sec.
Processing latitude	20 - 40 sec.
Processing temperature	35°C or 95°F
Dilution	1 part KFDev + 2 parts water

	ml/m2	cc/sqin
15% exp.	150	0,10
50% exp.	250	0,16
85% exp.	425	0,27

Anti-Ox replenishment 1000 ml/24h = 0,264 US_gallons/24h

Fixer	**Koru Film Fix (1+4)**
Fixing temperature	32°C or 90°F

without fixer electrolysis

15% exp.	500 ml/m2	0,32 cc/sqin
50% exp.	300 ml/m2	0,19 cc/sqin
85% exp.	100 ml/m2	0,06 cc/sqin
with fixer electrolysis	125 ml/m2	0,08 cc/sqin

Practical Set-up Density: **D >5.00** (dotgain depending on optical quality of Imagesetter)

Chemical compatibility: Only Koru Film Dev. or equivalent Hard Dot chemistries.

Dimensional stability:

Humidity. coef:	0.10mm base	Crh 0.016mm/m / % RH
Temp. coef:	0.10mm base	Cot 0.018mm/m /1°C (0.001mm/m /1°F)

Safelight conditions: Dark green
Recommended: EncapSulite T20/ND.75 or equivalent

Storage: The films are preferably stored in a cool dry place temperature below 20°C (68°F) and a relative humidity between 30% and 60%.