

REQUIREMENTS OF X273 COMPARED TO X272



PROCESS / ITEM	CHANGES FROM X272	WHAT YOU MAY NOTICE	NOTES
EXPOSURE			
Raw Stock Pre-flashing	Recommend pre-flash raw stock to densities: +0.30, 0.32, 0.2 above D-min for R, G and B respectively.	Without pre-flashing X273 is significantly higher in contrast vs. X272.	Pre-flashing the film before exposing the negatives helps lower the contrast.
Speed/D-min	X273 is significantly faster than X272 and also has a different D-min position. D-min: +0.105R, +0.11G, +0.06B Speed: +4 stops R, +4 stops G, +1 2/3 stops B.	Different printer setups will be needed to achieve the LAD aim density on the internegative.	LAD Aim densities are the same as X272: 0.9, 1.3, 1.7 Status M density.
Recorder Use	2273 does not have remjet or an antihalation layer.	Increased fringing on high contrast areas of the images. Overall slightly softer images (reduced sharpness).	Sharpness loss and increased fringing is a result of the lack of halation protection on the backside of this film. Its use as a recorder film is not recommended.
PROCESSING			
Wet load	X273 has a higher wet load than X272.	Some labs may find X273 dries a bit slower than X272.	X273 has a thicker emulsion pack vs. X272.
Process Surviving Antistat ESTAR Support	2273 is coated on a non-jet ESTAR support with a process surviving antistat.	Better static properties with 2273.	
Time/Temperature Adjustments	A lower developer temperature of 102°F (vs. 106°F) is recommended.	Without reducing the developer temperature X273 is significantly higher in contrast vs. X272.	Lower contrast can be achieved by means of reducing temperature, TOD (Time of Development) or pH changes. Changing the temperature is the most effective.
PRINTING			
Printer Lights	Change in printer light settings: X273 is higher in D-min and faster in speed vs. X272 (see Speed/D-min above).	If the printer light settings are not changed, LAD density aims on the print will not be obtained.	In addition to printer light changes, X273 may require a different neutral filtration in the printer.
Darkroom Conditions	No safelights should be used with X273. Handle in complete darkness.		IR goggles may be used—using wavelengths above 690 nm.

