

Superia ZX: Overview

Strong, robust with excellent image visibility

Fujifilm's latest addition to the processless portfolio, Superia ZX, has fast on press development, higher durability, robust scratch-resistance and better visibility. This plate revolutionises the concept of the conventional processless plate thanks to a number of new and innovative technologies.

Key features

- ▶ Improved latent image visibility
- ▶ Strong scratch resistance for improved handling
- ▶ Exceptional durability
- ▶ Superb on-press performance
- ▶ Suitable for use with UV inks
- ▶ 1% - 99% @ 200 line
- ▶ Up to 200,000 impressions
- ▶ Eliminates processor, chemistry, gum and water in conventional plate production

High colour generation technology

This technology has been used to improve the latent image visibility, and incorporates a new dye that does not inhibit the hardening of the photosensitive layer or discolour the ink. Also, the visibility does not disappear even if the plate is left out for a few days.

Print control layer technology

Using this technology, on press development speeds are optimised at an ultra-high level. This newly developed functional layer enables the fountain water to penetrate into the photosensitive layer very quickly. In addition, it protects the photosensitive layer from peeling off during dampening for rapid development, which prevents any pollution of the roller and water tank.

Processless gumming technology

This technology minimises potential scratches on the non-image area caused by handling before development of the plate, which prevents ink stains. The undercoat layer flows to the scratched part during dampening, preventing ink from adhering to the scratched part.

Extreme adhesive bonding technology

Excellent print durability is achieved using a new photopolymer that promotes better solidification of the photosensitive layer, and the new surface treatment improves the adhesion between the support and the photosensitive layer. During the printing of longer run jobs, small halftone dots remain stable, suppressing dot fluctuations.

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SUPERIA **ZX**



Technical specification

Superia ZX	
Run length*	up to 200,000 impressions
Run length* (UV ink)	up to 100,000 impressions
Resolution**	1%-99% @ 200 lpi
	20 micron FM supported
	300 line Co-Res supported
Energy***	100-150mJ/cm ² (Recommended 110mJ/cm ²)
Spectral sensitivity	IR LD 830 nm (800-840 nm)
Safe light	White light @ 800 Lux – 1hr
Latent image****	One week
Plate storage	<25°C (77°F)

* Run lengths are always dependent on laser power and press conditions

** Depends on setter type

*** Dependant on platesetter

**** Time from imaging to press

For further information:

Please contact your local Fujifilm partner.

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