FUJIFILM

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

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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 fount 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 acheived 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.