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Superia LH-PLE: Overview

Low chemistry plate for long run applications

A high-definition, positive-working thermal CTP plate for long-run commercial print applications. Superia LH-PLE can be used with UV inks, either unbaked or baked, and features enhanced scratch resistance.

Key features

- Run length: up to 300,000 (unbaked), 400,000 (baked), 150,000 UV ink (unbaked)
- Resolution: 300 lpi (1 – 99%)
- Much lower chemistry consumption when used with Fujifilm FLH-Z or FLC-TZ processors
- New, strong alloy for enhanced scratch resistance
- Suitable for use with UV inks, with or without baking
- Suitable for high-quality 20 µm FM screening applications
- Enhanced Productivity Layer (EDL) for wider developing latitude and cleaner working
- Long bath life with ZAC processing (20,000 m^2)

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Lower chemistry consumption
Superia LH-PLE, when used with Fujifilm FLH-Z or FLC-TZ processors, can benefit from much lower chemistry consumption. Typically, a full bath of developer can develop up to 20,000 m^2 of plates resulting in substantial savings in developer consumption.

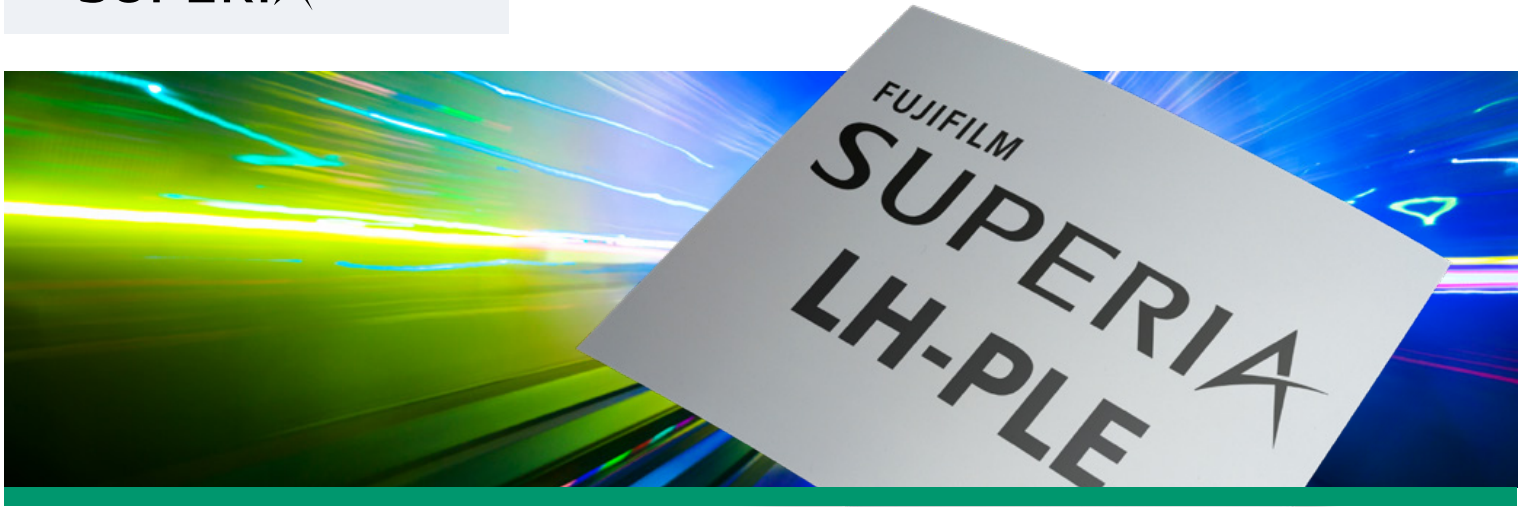
Lower maintenance
Maintaining perfect developer activity allows the developer bath life to be greatly extended beyond the norm for developing systems. It is typical to achieve bath life figures that are four or more times greater than normal plate processing systems. These improvements mean that a full bath of developer will now develop up to 20,000 m^2 of Superia LH-PLE plates, resulting in substantial reductions in cleaning down time.

Cleaner working environment
The chemistry used for processing Superia LH-PLE plates in a 'ZAC' system is a non-silicate based recipe. This makes a much longer bath life possible without the increase in developer sludge and filter blockages. In addition, Superia LH-PLE incorporates an Enhanced Development Layer (EDL) enhancing the solubility of the non-image areas during development, further aiding bath life, giving wider developing latitude and resulting in much cleaner working.

More stable plate production
Because of the way 'ZAC' processors intelligently control replenisher delivery, they are more stable making it much easier to achieve high quality, irrespective of changes to environmental conditions. This is particularly important for demanding FM screening applications.

Enhanced scratch resistance thanks to strong new alloy
To withstand the stresses placed on a printing plate during long runs, Superia LH-PLE incorporates a new strong alloy base to resist cracking and splitting, reducing and eliminating the need for costly remakes and press down time.

Suitable for extended run lengths
Superia LH-PLE has excellent long run length ability without the need for plate baking but can be post baked if higher run lengths are necessary, providing complete flexibility to meet every requirement.



Technical specification

Superia LH-PLE	
Print application	Long-run commercial, sheet-fed and web
Laser type	Thermal LD 830 nm (800 - 850 nm)
Sensitivity	100 - 120 mJ/cm^2
Resolution	300 lpi (1-99%)
FM screen compatible	Yes - 20µm FM
Gauges	0.15, 0.2, 0.3 and 0.4 mm
Safelight	White: 1 hour; UV-cut: 2 hours; yellow: 12 hrs
Shelf-Life	2 years
Contrast	Excellent
Developer / replenisher	DT-2WE / DT-2RE (FCT-E12 / FCT-E13)
Bath life	Up to 6 months or 20,000 m^2
Gum	FG-8CWE
Run length* unbaked	Up to 300,000
Run length* baked	Up to 400,000
Run length* UV ink unbaked	Up to 150,000
Run length* UV ink baked	Up to 200,000

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

For further information:
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