

## Superia LH-PXE: Overview

### Low chemistry thermal CTP plate

A positive-working, thermal CTP plate for ultra long run commercial sheet-fed and web applications. Superia LH-PXE offers an extended run length of up to 1,000,000 when baked due to a new double layer emulsion which enhances plate durability.

#### Key features

- ▶ Run length: up to 500,000 (unbaked), 1,000,000 (baked)
- ▶ Resolution: 200 lpi (1 - 99%)
- ▶ Significantly reduced chemistry consumption when used with Fujifilm FLH-Z or FLC-TZ processors
- ▶ Double layer emulsion for increased durability
- ▶ Suitable for use with UV inks, with or without baking
- ▶ Suitable for high quality 20 µm FM screening applications
- ▶ Long bath life with ZAC processing (10,000 m<sup>2</sup>)

#### Highly durable and suitable for ultra-long run lengths

Superia LH-PXE features much better durability and enhanced handling properties thanks to a new double layer emulsion. The plate is therefore particularly suitable for ultra-long run commercial print applications of up to 500,000 unbaked and 1,000,000 baked.

#### Lower chemistry consumption

Superia LH-PXE, 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 10,000 m<sup>2</sup> 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.

#### Cleaner working environment

The chemistry used for processing Superia LH-PXE 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. Also, as the chemistry contains no alcohol or solvents, this further enhances the working environment.

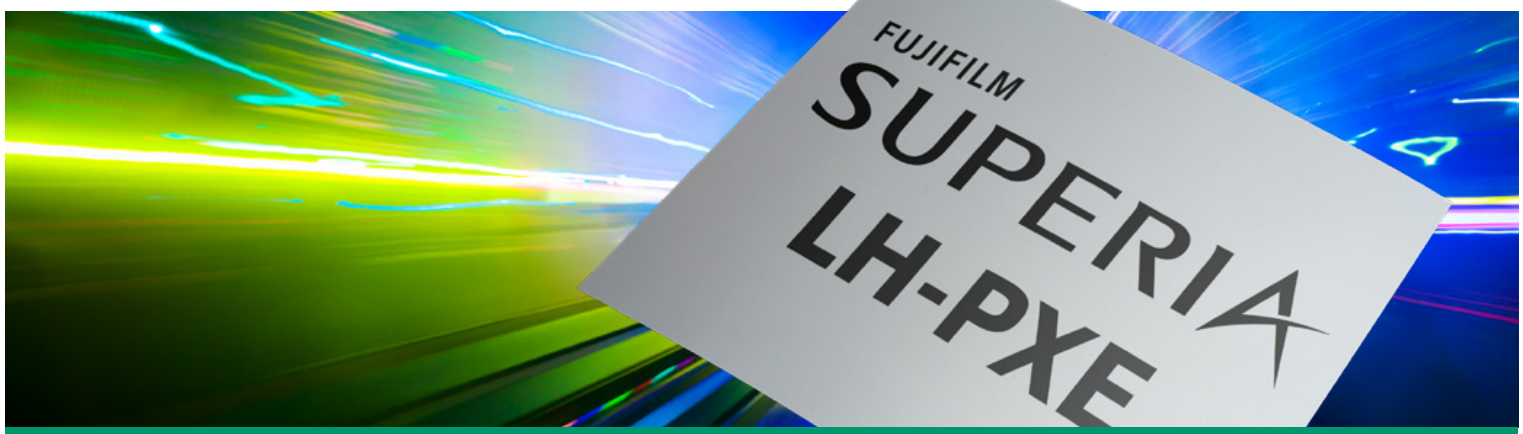
#### More stable plate production

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.

#### High sensitivity plate for ultra-fast plate production

Superia LH-PXE features a highly sensitive emulsion which requires minimal laser power and results in faster plate production (platesetter dependent).

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## Technical specification

Superia LH-PXE	
<b>Print application</b>	Ultra long-run commercial, sheet-fed and web applications
<b>Laser type</b>	Thermal LD 830 nm (800 - 850 nm)
<b>Sensitivity</b>	100 - 120 mJ/cm <sup>2</sup>
<b>Resolution</b>	200 lpi (1-99%)
<b>FM screen compatible</b>	20µm FM **
<b>Gauges</b>	0.3, 0.4 mm
<b>Safelight</b>	White: 1 hour; UV-cut: 2 hours; yellow: 12 hrs
<b>Shelf-life</b>	2 years
<b>Contrast</b>	Excellent
<b>Developer / replenisher</b>	DT-XWE / DT-XRE
<b>Bath life</b>	Up to 4 months or 10,000 m <sup>2</sup>
<b>Gum</b>	FG-8CWE
<b>Run length* unbaked</b>	Up to 500,000
<b>Run length* baked</b>	Up to 1,000,000
<b>Run length* UV ink unbaked</b>	Up to 100,000
<b>Run length* UV ink baked</b>	Up to 400,000

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

\*\* Contact Fujifilm for required processor specification



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