

PI

SPEEDCURE KEM /

New water-based photoinitiator emulsion for digital UV/LED inks

USES AND BENEFITS

PRODUCT PERFORMANCE VS. MARKET STANDARD

- Superior stability as supplied and excellent compatibility with a variety of PUD resins
- Zero solid particulates reduces the risk of nozzle blockages
- Enhanced cured film physical properties
- Significant improvement in LED reactivity

TYPICAL PROPERTIES

Appearance @ 25°C	Cream coloured, uniform, free flowing liquid
Active Content, HPLC (% w/w)	40
pH @ 25°C	7-8
Viscosity (cPs @ 25°C)*	2500

Regulatory information available on request. Please contact your local sales representative for further details.
* Test conditions : LV, Sp2, 6 rpm

SPECIALITY INKS & COATINGS



APPLICATIONS



DIRECT-TO-PACK



FLEXIBLE PACKAGING



LABELS

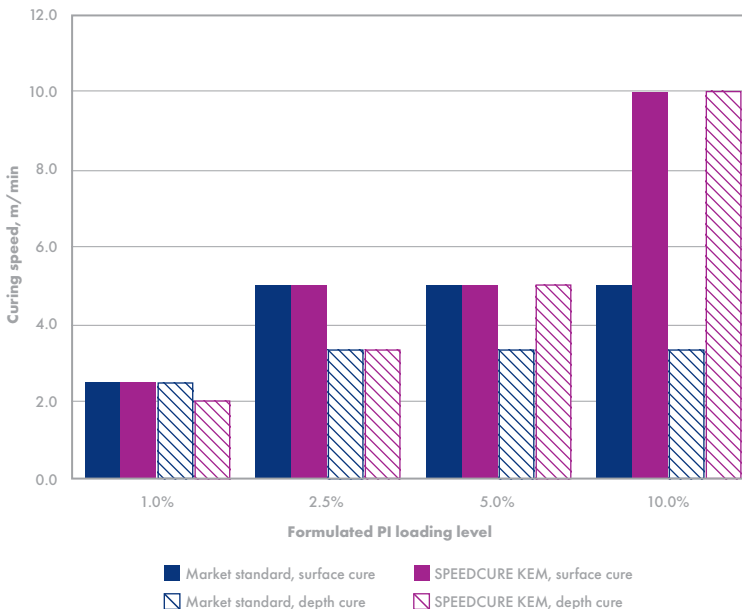


PAPER AND
CARTON BOARDS



TEXTILES

CURING PERFORMANCE USING Hg LAMP



EQUIVALENT REACTIVITY TO MARKET STANDARD UP TO 5% (w/w) USING THE SAME PUD RESIN



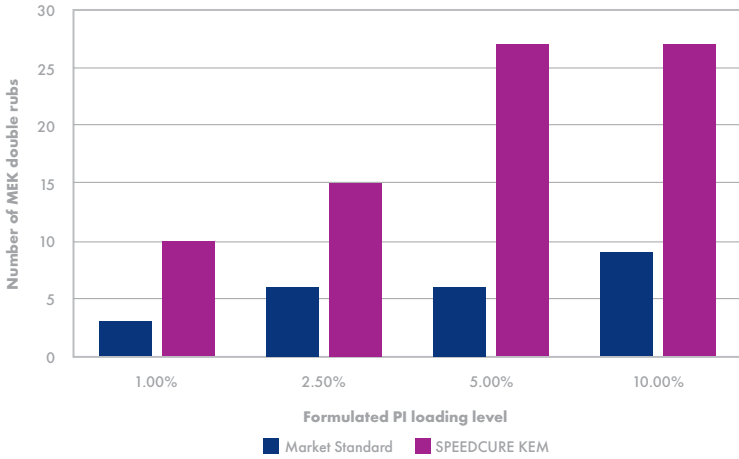
100% IMPROVEMENT IN SURFACE CURE SPEED AT 10% (w/w) LOADING LEVEL



APPROXIMATELY 3 TIMES FASTER DEPTH CURE SPEED AT 10% (w/w) LOADING LEVEL

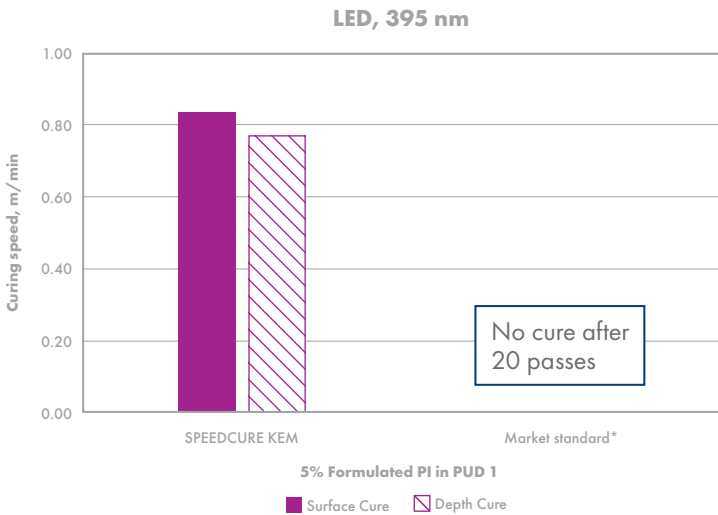


- ❖ Chemical resistance of the final cured film improves substantially when using SpeedCure KEM
- ❖ Over 200% better performance can be achieved particularly at higher addition levels for the same PUD resin



❖ **IMPROVED CHEMICAL RESISTANCE OF CURED FILM**

CURING PERFORMANCE USING 395 nm LED



❖ **SUBSTANTIALLY BETTER SURFACE AND DEPTH CURE PERFORMANCE ACHIEVED USING A LED 395 nm LAMP***

*Market standard did not cure after 20 passes. Test abandoned.

PRODUCT DESIGNED WITH SUPERIOR QUALITY STANDARDS



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