

Evaluation result of Polish detergent (FLEXO-WASH) for Cosmolight

1. Experiment:

Several properties were evaluated for FLEXO-WASH and compared with a detergent made in Japan (Nissan Sekken). In this experiment, Cosmolight NS170F and NEO170F are used.

2. Results

(1) Benefit:

- *Less amount of foaming just as informed from Print Systems.
- *The surface and floor part of relief are less sticky and smooth.

(2) Notice:

- *Since pH value is relatively high and alkalinity is a bit too high (more than 12), users should wear gloves and glasses in order to protect their skin and eyes.
- *Since the washout brush slips with the greasy touch of the detergent, brush marks tend to appear on the surface of the relief and reverse depth is likely to get shallower.
- *The detergent was not able to be treated with the regular polymer coagulation method we apply.

(3) Other comments:

- *Washout speed and image reproducibility are satisfactory.
- *Very tiny hollows were observed on solid area of the relief surface. It might be due to too high alkaline contents or something contained in the detergent. Our printing tests showed that these hollows caused less ink transfer especially at a high printing speed
- *No problem in dispersion of detergent.
- *Broad latitude in terms of detergent concentration and temperature.

3. Conclusion:

Overall, no remarkable disadvantage was observed with this detergent. As long as users pay attention to the notices we pointed out, we believe this detergent works very well for Cosmolight, with less foaming and polymer stickiness.



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