

APPLICATION OF WEB OFFSET COLDSET BLACK WITH VARIABLE CONTENT OF VEGETABLE OILS

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Abstract: *There has been a growing interest to reduce environmental pollution and to achieve a greater use of vegetable oils in printing inks.*

Coldset black ink, as the most important color in four color process newspaper printing, is traditionally based on mineral oils. Because of uncertain availability of crude oil and frequently growing prices of mineral oils, the idea was to partially or totally replace mineral oils in inks with vegetable oils available on the Croatian market.

In this paper the authors compare and investigate the differences between the conventional and an alternative model of coldset black ink as well as their physical-chemical properties.

Key words: *Web offset coldest black ink, Mineral oils, Vegetable oils*



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