# Colour reproduction with ecological flexographic inks

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***The purpose of the study was to examine the colour reproduction with ecological flexographic inks. The process colour inks such as: biodegradable and waterbase were used in the research. The laboratory prints were made with the use of Flexiproof 100 device to simulate the machine prints. Spectrophotometric measurements were made on the printouts and the collected data was used to generate ICC profiles. The colour gamuts were visualized on the basis of ICC profiles and Gamutvision software. The 3D and 2D visualizations were used in the evaluation.***

Key words: Colour reproduction, ecological inks, colour gamut, ICC profiles, flexographic printing

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