

Impact of Surface Topography on Print Quality in online Coated Folding Box Paperboard

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ABSTRACT

The topography of a coated paperboard surface has been found to have substantial impact on the print quality parameters; particularly due to uniform absorption and splitting of ink. The nanoscale nature of three-dimensional surface undulations in coating layer structure is known as surface topography and its impact has been observed by macroscopic visual evaluation of print quality. This paper explores *firstly*, the impact of various Coating recipe and Infra Red Drying of Coated Folding Box board on the topography of coated board surface. And *secondly*, the impact of topography or the microscopic undulations of coated paperboard surface on print quality.

Keywords: Surface Topography, Infra Red Drying,