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Graphic technology — Communication of offset ink properties

Technologie graphique — Communication des propriétés de l'encre offset

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Foreword

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This document was prepared by Technical Committee ISO/TC 130, *Graphic technology*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Offset printing inks are special purpose, complex mixtures of chemicals intended to be applied on a substrate by offset printing. They have customized properties and defined drying mechanisms resulting in ink films with standard or customized properties. This document establishes requirements on the communication of offset ink properties, aiming to the optimized planning of printing and to ensure the inks have the appropriate properties for the intended use of the printed products. Examples are the use of alkali resistant inks for combined use with dispersion varnishes to avoid colour changes after printing or the use of higher light fast inks for outdoor applications.

For the printing of food packaging, additional requirements are in continuing development. Often, these are related to the usability of particular substances within the inks. Printers of food packaging are recommended to stay in close contact to their ink suppliers and industry federations and to follow actual developments in this area. Aspects of food safety for food packaging and children toy safety are outside the scope of this document.