

ISO/TS 15311-2:2018 (E)

Graphic technology — Print quality requirements for printed matter — Part 2: Commercial print applications utilizing digital printing technologies

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Requirements
4.1	General
4.1.1	Applications
4.1.2	Measurement
4.1.3	Data reference communication
4.2	Print quality measures
4.2.1	Overview
4.2.2	Colour and tone reproduction and surface finish
4.2.2.1	General
4.2.2.2	Print substrate
4.2.2.3	Absolute colour reproduction (process colours)
4.2.2.4	Media relative colour reproduction (process colours)
4.2.2.5	Gloss
4.2.2.6	Colour deviation of multiple samples of printed matter
4.2.3	Homogeneity
4.2.3.1	Banding (monochrome)
4.2.3.2	Large area uniformity
4.2.3.3	Mottle (monochrome)
4.2.3.4	Graininess (monochrome)
4.2.3.5	Show-through
4.2.3.6	Colour variation within printed matter
4.2.4	Detail rendition capabilities
4.2.4.1	General
4.2.4.2	Line width
4.2.4.3	Line darkness
4.2.4.4	Line raggedness
4.2.4.5	Line blurriness
4.2.5	Artefacts
4.2.6	Permanence
4.2.6.1	General
4.2.6.2	Indoor light stability
4.2.6.3	Weathering
4.2.6.4	Thermal stability
4.2.6.5	Abrasion resistance
Annex A	(informative) Partial colour reference (PCR)
Annex B	(normative) Control strip from ISO 12647-8
Annex C	(informative)
C.1	Representative IDEAlliance example from printer's submissions to a known colour space
C.2	Representative FOGRA print quality examples

C.3 Representative JPMA (Japan Printing Machinery Association) print quality examples
Annex D (informative) Specified targets and suggested tolerance ranges for digital printing metrics in all markets

Page count: 20