

ISO 18930:2011-10 (E)

Imaging materials - Pictorial colour reflection prints - Methods for evaluating image stability under outdoor conditions

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Summary of test practice	3
4.1	Accelerated laboratory weathering tests	3
4.2	Outdoor weathering tests	4
5	Significance and use	4
5.1	Accelerated laboratory weathering tests	4
5.2	Outdoor weathering tests	4
6	Apparatus	4
6.1	Accelerated laboratory weathering test equipment	4
6.2	Outdoor weathering tests	5
7	Interferences	5
8	Testing time consideration	6
8.1	Accelerated laboratory weathering tests	6
8.2	Outdoor weathering tests	6
9	Safety precautions	6
10	Test specimens	6
10.1	Substrate, method of printing, ink and post-treatment	6
10.2	Test image	6
10.3	Number of replicates	7
10.4	Laminates and encapsulation	7
10.5	Identification of samples	7
10.6	Backing of test specimens during accelerated laboratory weathering tests	8
10.7	Specimen preparation for outdoor weathering tests	8
11	Conditioning	8
12	Exposure program and settings	8
12.1	Accelerated laboratory weathering tests	8
12.2	Outdoor weathering tests	10
13	Procedure	10
13.1	Steps for laboratory accelerated weathering tests and outdoor weathering tests	10
13.2	End-point	11
13.3	Reporting of accelerated laboratory weathering test data	11
13.4	Reporting of outdoor weathering test data	12

Annex A (normative) Spectral power distribution for accelerated laboratory weathering tests	13
Annex B (informative) Use of an end-point to determine specimen failure time	14
Bibliography	15