

ISO/TR 20436:2017-07 (E)

Buildings and civil engineering works - Sealants - Paintability and paint compatibility of sealants

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Evaluation of paintability of a sealant	1
5	Methods for assessment of initial coating application	3
5.1	General	3
5.2	Reticulation/fish eyes	3
5.2.1	Principle	3
5.2.2	Evaluation	3
5.2.3	Reporting	3
5.3	Flow of paint/wet surface finish	3
5.3.1	Principle	3
5.3.2	Evaluation	3
5.3.3	Reporting	4
5.4	Effect of sealant on curing/drying time of paint/coating	4
5.4.1	Principle	4
5.4.2	Evaluation	4
5.4.3	Reporting	4
6	Test methods for assessment relating to cure effects	4
6.1	Principle	4
6.2	Evaluation	4
6.3	Reporting	5
7	Test methods to assess surface appearance of dried coating	5
7.1	General	5
7.2	Colour difference between painted sealant and painted substrate	5
7.2.1	Overview	5
7.2.2	Principle	5
7.2.3	Evaluation	5
7.2.4	Reporting	5
7.3	Surface wrinkling	6
7.3.1	Overview	6
7.3.2	Principle	6
7.3.3	Evaluation	6
7.3.4	Reporting	6
7.4	Surface sheen or bloom	6
7.4.1	Overview	6
7.4.2	Principle	6
7.4.3	Evaluation	6
7.4.4	Reporting	7
7.5	Surface tack	7
7.5.1	Overview	7
7.5.2	Principle	7
7.5.3	Evaluation	7
7.5.4	Reporting	8

7.6	Staining.....	8
	7.6.1 Overview.....	8
	7.6.2 Principle.....	8
	7.6.3 Evaluation.....	8
	7.6.4 Reporting.....	9
7.7	Surface cracking of paint only.....	9
	7.7.1 Overview.....	9
	7.7.2 Principle.....	9
	7.7.3 Evaluation.....	9
	7.7.4 Reporting.....	10
7.8	Adhesion of coating to sealant.....	10
	7.8.1 Principle.....	10
	7.8.2 Evaluation.....	10
	7.8.3 Reporting.....	11
8	Test methods to assess effects of overcoating on sealant performance	11
8.1	General.....	11
8.2	Surface microcracking resulting in crack initiation in the sealant.....	14
	8.2.1 Overview.....	14
	8.2.2 Evaluation.....	14
	8.2.3 Reporting.....	14
8.3	Effect of coating the sealant on final mechanical and adhesion characteristics.....	14
	8.3.1 Overview.....	14
	8.3.2 Principle.....	14
	8.3.3 Evaluation.....	14
	8.3.4 Reporting.....	15
8.4	Elasticity.....	15
	8.4.1 Overview.....	15
	8.4.2 Principle.....	15
	8.4.3 Evaluation.....	15
	8.4.4 Reporting.....	15
9	Durability assessment.....	15
10	Methodology to reduce test pieces.....	16
11	Overall assessment of compatibility of the coating with sealant.....	16
Annex A (informative) Suitable test pieces for measurement of paintability and paint compatibility of sealants.....		17
Bibliography.....		20