INTERNATIONAL STANDARD

ISO 11347

First edition 2012-05-15

Ships and marine technology — Large yachts — Measurement and assessment of the visual appearance of coatings

; et techniation de l'app. Navires et technologie maritime — Grands yachts — Mesurage et





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Published in Switzerland

Contents		Page
Forewo	ord	iv
Introdu	ction	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	General	6
5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.8 5.9 5.10 5.11	Parameters, measurement and test methods Gloss Colour difference Orange peel Fairness Sags Dirt retention Overspray Sanding marks Blistering Water marks Polishing marks	6 7 7 8 8 8 9 9
	A (normative) Test method for gloss measurement of coatings	
	B (normative) Test method for colour difference measurement of coatings	
	C (normative) Test method for measurement of orange peel of coatings	
	D (normative) Test method for measurement of fairness of coatings	
	E (normative) Test method for measurement of sags of coatings	
	F (normative) Test method for measurement of dirt retention of coatings	
	G (normative) Test method for measurement of overspray of coatings	
	H (normative) Test method for measurement of sanding marks of coatings	
	I (normative) Test method for measurement of blistering of coatings	
	J (normative) Test method for measurement of water marks of coatings	
Annex I	K (normative) Test method for measurement of polishing marks of coatings	24
Annex I	L (normative) Test method for measurement of blooming of coatings	25
	raphy	26

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 11347 was prepared by Technical Committee ISO/TC 8, Ships and marine technology, Subcommittee A CONTRACTOR OF THE STATE OF TH SC 12, Ships and marine technology — Large yachts.

Introduction

This International Standard defines the exterior surface appearance and quality requirements for large yachts. The requirements are described in terms of appearance and colour attributes for above the waterline external areas. The purpose of this International Standard is to ensure that the level of exterior coating finish of the yachts will meet the customer's expectations in term of gloss, colour and appearance.

This International Standard specifically covers the visual characteristics of yacht coatings. It is not the purpose of this International Standard to cover any other aspects of the coating.

In particular, this International Standard does not address the degradation of an accepted coating over time or the assessment of the visual appearance of gelcoat.

NOTE Taking into account work environment conditions that are partially unprotected in which the coating activities occur, conditions that suffer sudden changes in weather and environment, repairs and adjustments are considered an integral part of the process before final acceptance. The partial accidental reinstatements will be regarded as part of the integration process as long as parameters of the project such as environmental conditions, stages and timing of activities, equipment, products, and application are all within the requirements of final acceptance.

S. J be I. Armal coa. The defect of "edge marking", swelling or sweated edges showing in the top coat around feather-edge sanded, old or previous paintwork, is therefore to be regarded as acceptable in its processing, provided that the defect is not greater than 5 % of the total external coated surface.

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Ships and marine technology — Large yachts — Measurement and assessment of the visual appearance of coatings

1 Scope

This International Standard specifies technical requirements for the measurement and assessment of the visual appearance of the superficial coating of large yachts in terms of gloss, colour and any other superficial defects.

This International Standard is applicable to large yachts, of length, $L_{\rm H}$, as defined in ISO 8666, higher than or equal to 24 m, and in use for sport or pleasure and commercial operations.

It describes the technical properties within which the final finish is to be evaluated before its acceptance.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2813, Paints and varnishes — Determination of specular gloss of non-metallic paint films at 20°, 60° and 85°

ISO 7724-1, Paints and varnishes — Colorimetry — Part 1: Principles

ISO 7724-2, Paints and varnishes — Colorimetry — Part 2: Colour measurement

ISO 7724-3, Paints and varnishes — Colorimetry — Part 3: Calculation of colour differences

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

abrasion resistance

coating wear resistance property

3.2

blistering

convex deformation in a film, arising from local detachment of one or more of the constituent coats

[ISO 4618:2006, 2.28]

3.3

blooming

formation of a deposit on the surface of a film

NOTE A special form of blooming is an efflorescence.

[ISO 4618:2006, 2.30]

3.4

chalking

appearance of a fine, loosely adherent powder on the surface of a film arising from the degradation of one or more of its constituents

[ISO 4618:2006, 2.39]