



EC TYPE EXAMINATION CERTIFICATE

This is to certify that Lloyd's Register of Shipping, an Approved Body under the terms of; the Recreational Craft Directive 94/25/EC, UK Statutory Instrument 1996 No. 1353, did undertake an EC Type Examination on the stated product for compliance with the essential safety requirements of the Directive. The product identified below was shown to comply. This certificate is issued to

APPLICANT Lewmar Marine Limited
Southmoor Lane
Havant
Hampshire, PO9 1JJ
England

PRODUCT DESCRIPTION Hatches and Portlights

TYPES Hatch Types - Trimline, Trimport, Coastline, Ocean Range, Concept (Square), Concept (Round) and Size 6
Portlight Types - Atlantic (Opening), Atlantic (Fixed), Ocean (Fixed & Opening), Standard (Fixed & Opening)

The attached LR Design Appraisal Document No. EC96/00014/M1 details the content of the Technical Construction File and shall form a part of this certificate.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify LR of any modification or changes to the equipment in order to obtain a valid certificate."

Certificate No. EC96/00014/M1

G.C. Harris

Date of Issue 4 November 1998
Sheet 1 of 1

Lloyd's Register

Lloyd's Register of Shipping
71 Fenchurch Street, London EC3M 4BS
LR EC Distinguishing Number 0038



NOTICE – This certificate is subject to the terms and conditions overleaf



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Document number

EC96/00014/M1

Issue number

1

DESIGN APPRAISAL DOCUMENT

Date

4 November 1998

Quote this reference on all future communications

TA/41686/98/GCH/O-10250

EC TYPE EXAMINATION CERTIFICATE

LEWMAR MARINE LIMITED

HATCH TYPES: TRIMLINE, TRIMPORT, COASTLINE,

OCEAN RANGE, CONCEPT (SQUARE),

CONCEPT (ROUND) AND SIZE 6

PORTLIGHT TYPES: ATLANTIC (OPENING), ATLANTIC (FIXED),

OCEAN (FIXED & OPENING), STANDARD (FIXED & OPENING)

CERTIFICATE NO. EC96/00014/M1

DATA

Component Type: Hatch Types: Trimline, Trimport, Coastline, Ocean Range, Concept (Square), Concept (Round) and Size 6
Portlight Types: Atlantic (Opening), Atlantic (Fixed), Ocean (Fixed & Opening), Standard (Fixed & Opening)

Component Description: Hatches and Portlights

Design Categories: A, B, C & D

Size Data: Trimline Hatch Range (sizes 10 to 70 inclusive); Type: All

Areas: II, III & IV	Maximum	Minimum
Length (mm)	530	320
Breadth (mm)	500	320
Areas: II, III & IV		
Length (mm)	698	530
Breadth (mm)	698	440

Trimport Hatch Range; Type: All

Areas: II, III & IV	Maximum	Minimum
Length (mm)	1200	300
Breadth (mm)	340	180
Areas: II, III & IV		
Length (mm)	850	490
Breadth (mm)	500	460

Coastline Hatch Range; Type: All

Areas: II, III & IV	Maximum	Minimum
Length (mm)	420	280
Breadth (mm)	330	270

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

NOTICE: This document is subject to the terms and conditions overleaf, which form part of this document.

FORM 6438 (04/96)

Lloyd's Register of Shipping, registered office: 71 Fenchurch Street, London EC3M 4BS

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Size Data:

Coastline Hatch Range (cont ...)

Areas: II, III & IV

Length (mm)

Maximum

620

Minimum

490

Breadth (mm)

590

390

Areas: II, III & IV

Length (mm)

1340

690

Breadth (mm)

990

540

Ocean Range (up to size 40); Type: All

Areas: II, III & IV

Length (mm)

Maximum

575

Minimum

260

Breadth (mm)

490

250

Ocean Range (over size 40); Type: All

Areas: II, III & IV

Length (mm)

Maximum

875

Maximum

570

Breadth (mm)

875

310

Concept Hatch (Square); Type: Power

Areas: II, III & IV

Length (mm)

Maximum

580

Minimum

520

Breadth (mm)

580

520

Areas: II, III & IV

Length (mm)

480

470

Breadth (mm)

480

470

Concept Hatch (Round); Type: Power

Areas: II, III & IV

Diameter (mm)

Maximum

600

Minimum

360

Size 6 Hatch; Type: All

Areas: II, III & IV

Length (mm)

882

Breadth (mm)

882

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Size Data:

Atlantic Portlight (Opening); Type: All

Areas (up to size 32): I, II, III & IV	<u>Maximum</u>	<u>Minimum</u>
Length (mm)	400	300
Breadth (mm)	200	140
Areas (over size 32): II, III & IV		
Length (mm)	1050	300
Breadth (mm)	355	200

Atlantic Portlight (Fixed); Type: All

Areas: I, II, III & IV	<u>Maximum</u>	<u>Minimum</u>
Length (mm)	960	300
Breadth (mm)	256	150
Areas: II, III & IV		
Length (mm)	1450	1350
Breadth (mm)	350	315

Standard Portlight (Fixed & Opening); Type: All

Areas: II, III & IV	<u>Maximum</u>	<u>Minimum</u>
Length (mm)	710	326
Breadth (mm)	177	193

Ocean Portlight (Fixed and Opening); Type: All

Areas: I, II, III & IV	<u>Maximum</u>	<u>Minimum</u>
Length (mm)	420	400
Breadth (mm)	232	202

Note: The above sizes relate to the extreme overall dimensions measured to the outside of the frames.

Products of intermediate geometries are permitted provided:

- i the limiting dimensions do not exceed the stated maximum and minimum sizes by ± 10 mm in any direction
- ii the correct number of hinges and clips are fitted to each unit
- iii all products are fitted with acrylic glazing (PMMA) of the thickness indicated in the approval drawings associated with this certificate (refer to LR Design Appraisal Document No. CSD/CSC/LEW001 Issue 3)
- iv all other details are as per previous Certificate No. EC96/00014 dated 22 December 1997

DESIGN APPRAISAL DOCUMENT

Date
4 November 1998

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TA/41686/98/GCH/O-10250

Manufactured by:

Lewmar Marine Ltd
Southmoor Road
Havant
Hampshire PO9 1JJ
England

Specified Standards:

ISO/DIS 12216.2 (E): Small craft - Windows, portlights, hatches, deadlights
and doors: -Strength and tightness requirements

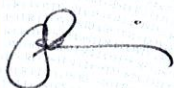
The undernoted documents have been reviewed for compliance with the Essential Requirements in accordance with module B of the Recreational Craft Directive.

APPROVAL DOCUMENTATION

LR Design Appraisal Document No. CSD/CSC/LEW001 Issue 4	16 10.98
Outline drawings of all hatches and portlights showing acrylic thicknesses, as detailed in the above referenced Design Appraisal Document	
Tabulated thickness of acrylics used for all hatches and portlights	
Hatch Build/Seal Procedure Ambersil System	
Hatch Build/Seal Procedure Rhone Poulenc System	
Installation and Operation Instructions: All Product Ranges	

TEST REPORTS

LR Southampton Test Report No. SOU 600270/1	13.06.96
Lewmar Test Report witnessed by D. Brixton (LR Southampton)	22.05.98
Lewmar Test Report witnessed by F.W. Cane (LR Southampton)	12.06.98



G.C. Harris
Type Approval Department, Extn. 4895

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Follow proper safety practices. If in doubt, consult a professional RV technician.