



## 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



# ENGINEERING SERVICES

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## DESIGN APPRAISAL DOCUMENT

Date	4 November 1998	Quote this reference on all future communications	TA/41686/98/GCH/O-10250
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**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	<u>Maximum</u>	<u>Minimum</u>
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	<u>Maximum</u>	<u>Minimum</u>
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	<u>Maximum</u>	<u>Minimum</u>
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.**

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#### Size Data:

#### Coastline Hatch Range (cont ...)

Areas: II, III & IV	<u>Maximum</u>	<u>Minimum</u>
Length (mm)	620	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	<u>Maximum</u>	<u>Minimum</u>
Length (mm)	575	260
Breadth (mm)	490	250

#### Ocean Range (over size 40); Type: All

Areas: II, III & IV	<u>Maximum</u>	<u>Maximum</u>
Length (mm)	875	570
Breadth (mm)	875	310

#### Concept Hatch (Square); Type: Power

Areas: II, III & IV	<u>Maximum</u>	<u>Minimum</u>
Length (mm)	580	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	<u>Maximum</u>	<u>Minimum</u>
Diameter (mm)	600	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  $\pm 10$  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

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**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

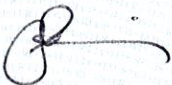
The undernoted documents have been reviewed for compliance with the Essential Requirements in accordance with module B of the Recreational Craft Directive.

#### 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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