



DET NORSKE VERITAS

EC TYPE-EXAMINATION CERTIFICATE

CERTIFICATE NO. **RCD-B-396**

This is to certify that the

Hatches

with type designation(s)

MK II -Square- of Aluminium
MK IV -Round and Square- of Aluminium or Stainless Steel

Manufacturer

Trend Marine Products Ltd
Great Yarmouth, Norfolk NR29 5BG, UNITED KINGDOM

has been assessed with respect to
the conformity assessment procedure described in Annex VII (Module B) of
Council Directive 94/25/EC on Recreational Craft as amended by Directive 2003/44/EC, and found to comply with the
applicable requirements.

Further details are given overleaf.

Høvik, 2009-10-22
for **Det Norske Veritas AS**



Notified Body No.: **0575**

Marianne Strand Valderhaug
Head of Section

(name)
Asbjørn Lønmo

Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or the applied standards may render this certificate invalid. The product liability rest with the manufacturer or his representative in accordance with Council Directive 94/25/EC as amended

Except for any liability caused by DNV's gross negligence or wilful misconduct, DNV's maximum cumulative liability arising out of or related to the use or reliance of this document shall be limited to USD 300 000.

Jurisdiction

DNV is appointed by the Norwegian Ministry of Trade and Industry as a "Notified Body" under the terms of the Norwegian regulation - FOR 2004-12-20 nr. 1820 "Forskrift om produksjon og omsetning av fritidsfartøy m.v.", and - Article 9 of Council Directive 94/25/EC as amended.

Certificate history

This is the second renewal of the original Certificate, RCD-B-38, issued 2000-12-04, and replaces Certificat No. RCD-B-132. All Supplements issued after the issue of the previous Certificate have been incorporated, and aluminium glazing material is added.

Product description

Deck hatches made of aluminium (6063-T4) or stainless steel (AISI 316).

Glazing material: PMMA - Polymethacrylat
ALU - Aluminium (EN AW-5083-H111)
TG - Tempered glass

Glazing panel glued to the glazing frame by silicone adhesive. Sealing material made of rubber.

Type	Dimension	Glazing material	Glazing thickness	Hinge(s) /Handles, Nos. off	Stay assembly
MK II Square Aluminium	600 x 600 mm	PMMA	12 mm	2 / 2	Friction stay, 2 off
MK II Square Aluminium	600 x 600 mm	ALU	8 mm	2 / 2	Friction stay, 2 off
MK IV Square Aluminium	600 x 600 mm	PMMA	12 mm	2 / 2	Gas strut stay, 2 off
MK IV Square Aluminium	600 x 600 mm	ALU	8 mm	2 / 2	Gas strut stay, 2 off
MK IV Square Stainless steel	600 x 600 mm	PMMA	12 mm	2 / 2	Gas strut stay, 2 off
MK IV Square Stainless steel	600 x 600 mm	ALU	8 mm	2 / 2	Gas strut stay, 2 off
MK IV Round Aluminium	Ø 515 mm	TG	8 mm	1 / 2	Scissor friction stay, 1 off
MK IV Round Aluminium	Ø 515 mm	ALU	8 mm	1 / 2	Scissor friction stay, 1 off
MK IV Round Aluminium	Ø 620 mm	PMMA	12 mm	1 / 2	Scissor friction stay, 1 off
MK IV Round Aluminium	Ø 620 mm	ALU	8 mm	1 / 2	Scissor friction stay, 1 off
MK IV Round Stainless steel	Ø 620 mm	PMMA	12 mm	1 / 2	Gas strut stay, 1 off
MK IV Round Stainless steel	Ø 620 mm	ALU	8 mm	1 / 2	Gas strut stay, 1 off

Applications/Limitations

May be used in *Area IIa, III & IV* as specified in ISO12216 on Recreational Crafts of *Any Boat* type of *Any Design* category subject to CE-marking under the Directive 94/25/EC.

MK IV hatch with glazing of tempered glass (TG) shall not be used in *Area IIa* forward of the mast or foremast on Sailing boats. Handles shall be capable of being operated from both the inside and the outside if the hatches are used as emergency exits as specified in ISO9094-1/-2.

Technical documentation

Applied Standards

EN ISO12216:2002 "Small Craft – Windows, Portlights, Hatches, Deadlights and Doors – Strength and Tightness requirements"

Tests carried out

- Pressure, - Rope jamming, - Unintentional stepping, - Hinge twisting; all dated 2000-08-08

Terms and conditions

The following conditions may render this certificate invalid:

- Changes in the design or construction of the product
- Changes or amendments to the Directive
- Changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the Directive

Marking of product

This Certificate is concerned with the design of the product, only. In order to fully meet with the requirements of the Directive and legally affix the CE mark, the manufacturer shall have the final product and/or production assessed according to one of the procedures listed below and finally draw up an EC declaration of conformity.

Conformity assessment procedures for production:

- Conformity to type (Annex VIII/Module C)
- Production quality assurance (Annex IX/Module D)
- Product quality assurance (Annex XVI/Module E)
- Product verification (Annex X/Module F)

Other directives, covering other phenomena, and also having requirements related to CE marking, might also apply.