



DET NORSKE VERITAS

EC TYPE-EXAMINATION CERTIFICATE

CERTIFICATE NO. RCD-B-196

This Certificate consists of 3 pages

This is to certify that the product

Hatches
274.19

with type designation(s)

ESK-04

Manufactured by

ERTEC AS
TVEDESTRAND, Norway

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.

Place and date
Høvik, 2006-11-13
for DET NORSKE VERITAS



Notified Body No.: 0575

Magnar Eide
Head of Section

Hallgeir B. Eilertsen
Surveyor

Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product may render this certificate invalid.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

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 original Certificate.

Product description

- Opening type aluminium deck hatch with 2 hinges and 2 handles, available in different shapes and sizes where the largest is 620 mm x 620 mm when referring to aperture cut-out size
- Frames of extruded profiles from aluminium 6000 series
- Hinges of aluminium and stainless steel with stainless steel hinge pin
- Handles and keeps of plastic. Handles are fitted with locking devices on the inside
- Sealing of EPDM rubber
- Glazing material of either tempered glass (TG) or polymethacrylate (PMMA) glued to glazing frame by MS polymer adhesive
- The largest hatch available when measured by its aperture cut-out size is given by a minimum allowable glazing material thickness which is specified in the following table:

Thickness TG, mm	Thickness PMMA, mm	Side A cut-out, mm	Side B cut-out, mm
8	12	620	620
6	10	500	500
6	8	500	425
5	8	450	320

Applications/Limitations

May be used in *Area IIa, III & IV* as specified in ISO 12216 on Recreational Craft of *Any Boat Type* of *Any Design Category* that are subject to CE marking according to the Council Directive 94/25/EC as amended. Hatch with glazing material of tempered glass (TG) shall not be used in *Area IIa* on sailing boats forward of the mast or foremast.

Technical documentation

- Drawing no 03043-207 rev 00 – Skylight ESK-04, dated 21.09.2006
- Parts list no 03043-207 – Skylight ESK-04, dated 21.09.2006

Applied Standards/Tests carried out

- EN ISO 12216:2002
- Unintentional stepping test, dated 2006-10-04
- Rope jamming test, dated 2006-10-04
- Hatch and hinge strength test, dated 2006-10-04
- Pressure and water tightness test, dated 2006-10-04
- Gluing test, dated 2006-10-04

Terms and conditions

The product liability rests with the manufacturer, his representative or, in the absence of a representative, the importer, in accordance with the General Product Safety Directive 2001/95/EC.

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 must also 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.

END OF CERTIFICATE