



## TYPE APPROVAL CERTIFICATE

Certificate No:  
TAF000000000  
Revision No:  
1

### This is to certify:

That the Vertically Supported Textile and Film

with type designation(s)  
ROLASOLV Sun Protection Systems

Issued to

**Solar Solve Marine**  
South Shields, Tyne and Wear, United Kingdom

is found to comply with

DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021  
DNV rules for classification – Ships  
DNV offshore standards

### Application :

Approved for use as draperies, curtains and other supported textile materials with restricted fire risk.

This certificate is recognized by Transport Canada.

Product approved by this certificate is accepted for installation on all vessels classed by DNV.

Issued at Høvik on 2021-10-08

This Certificate is valid until 25-05-16.

DNV local station: Newcastle-upon-Tyne

Approval Engineer: Helge Bjørnara

for DNV



Digitally Signed By: David-Andersen, Helene  
Location: DNV Høvik, Norway

**Helene David-Andersen**  
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.  
The validity of this Certificate relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstances be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

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**Only valid for official ROLASOLV® products which have been manufactured in the UK**



Job Id: 262.1-005860-5  
Certificate No: TAF00000CU  
Revision No: 1

### Product description

"ROLASOLV™ Sun Protection systems"

- Lyverscreen Fabric is a plastified fibreglass composed of 36% fibreglass and 64% PVC.
- Plasticized Fibreglass composed of 23% fibreglass, 69% PVC and 8% adhesive.
- Polyester Fabric composed of 100% polyester or BANLIGHT DUO 100% polyester fabric.

### Application/Limitation

Approved for use as draperies, curtains and other supported textile materials with restricted fire risk.

Each product is to be supplied with its manual for installation, use and maintenance.

### Type Approval documentation

Certification in accordance with Class Programme DNV-CP-0338, September 2021

Test report No. HAF107v2 dated 17 May 2005 from QinetiQ Fire Research & Characterisation, Gosport, UK.  
Test report No. HAF108v2 dated 17 May 2005 from QinetiQ Fire Research & Characterisation, Gosport, UK.  
Test report No. HAF134 dated 25 May 2005 from QinetiQ Fire Research & Characterisation, Gosport, UK.  
Test report No. ICL/H14/3368 dated 4 April 2014 from Interscience Fire Laboratory, Hampshire, UK.

### Tests carried out

Tested according to IMO FTP Code Part 7 and in compliance with IMO 2010 FTP Code Ch. 8, and IMO 2010 FTP Code part 7.

### Marking of product

The product or packing is to be marked with name of manufacturer, type designation and fire-technical rating.

### Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products (TP 14612)", DNV confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

### Periodical assessment

DNV's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNV-CP-0338 Section 4.

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