

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB000007U
Revision no.:
21

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

that the **Draperies, curtains and other suspended textile materials and films**

with type designation(s)

Trevira CS/PES Curtains and flamretardant PES/ALU Solar Reflection Fabrics

issued to

AB Ludvig Svensson
Kinna, Sweden

is found to comply with the Implementing Regulation (EU) 2024/1975 for
Item no. **MED/3.19 (Row 1 of 1)**

according to the following requirements:

**SOLAS 74 Reg. II-2/3, IMO Res. MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-(2000 HSC Code) 7,
SOLAS 74 Reg. II-2/9, SOLAS 74 Reg. X/3**

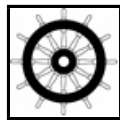
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-07-09**

Expiry date: **2029-01-22**

DNV local unit:
Sweden CMC

Approval Engineer:
Marta Kropiwnicka



Notified Body
no.: **0575**



for **DNV AS**

Digitally Signed By:

Christine Mydlak-Röder

Christine Mydlak-Röder
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment signed 17 October 2005, and amended by Decision No 1/2023 dated August 21st, 2023.



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

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 circumstance be limited to USD 300 000.

Product description

Trevira CS/PES curtains and flame-retardant PES/ALU solar reflection fabrics.

Please see Appendix: Product Description

Application/Limitation

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

Other trade names than stated in the appendix to this certificate are accepted provided that the product is within the limitations given for composition and density.

Each product is to be supplied with its manual for installation/application and maintenance.

Type Examination documentation

Please see Appendix: Type Examination Documentation

Tests carried out

Tested according to IMO 2010 FTP Code part 7.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).

APPENDIX

Type Examination documentation

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Document No.	Rev.	Title
27/03101D/04/14		Test report dated 1 May 2014 from BTTG, Leeds, United Kingdom.
69870		Test report dated 11 May 2015 from WYMTS, Leeds, United Kingdom.
69845		Test report dated 10 May 2015 from WYMTS, Leeds, United Kingdom.
27/03148/05/14		Test report dated 29 May 2014 from BTTG, Leeds, United Kingdom.
72626-01		Test report dated 18 November 2015 from WYMTS, Leeds, United Kingdom.
71393		Test report dated 14 August 2015 from WYMTS, Leeds, United Kingdom.
76380		Test report dated 5 July 2016 from WYMTS, Leeds, United Kingdom.
27/03101J/04/14		Test report dated 1 May 2014 from BTTG, Leeds, United Kingdom.
78286-01		Test report dated 25 August 2016 from WYMTS, Leeds, United Kingdom.
89982-01		Test report dated 20 September 2017 from WYMTS, Leeds, United Kingdom.
87072-01		Test report dated 27 July 2017 from WYMTS, Leeds, United Kingdom.
103575		Test report dated 22 November 2018 from WYMTS, Leeds, United Kingdom.
113225		Test report dated 9 October 2019 from WYMTS, Leeds, United Kingdom.
113195-01		Test report dated 9 October 2019 from WYMTS, Leeds, United Kingdom.
27/03428/02/15		Test report dated 24 February 2015 from BTTG, Leeds, United Kingdom.
23/57778-1		Test report dated 24 September 2020 from BTTG, Leeds, United Kingdom.
23/57811-1		Test report dated 6 October 2020 from BTTG, Leeds, United Kingdom.
23/58193-1-1		Test report dated 8 February 2021 from BTTG, Leeds, United Kingdom.
23/58282-1-2		Test report dated 15 March 2021 from BTTG, Leeds, United Kingdom.
23/58931A/09/21		Test report dated 29 September 2021 from BTTG, Leeds, United Kingdom.
23/58364-1-2		Test report dated 6 April 2021 from BTTG, Leeds, United Kingdom.
23/59350/02/22		Test report dated 17 February 2022 from BTTG, Leeds, United Kingdom.
23/58698A/07/21		Test report dated 13 July 2021 from BTTG, Leeds, United Kingdom.
23/59379A/02/22		Test report dated 22 February 2022 from BTTG, Leeds, United Kingdom.
23/59854B/06/22		Test report dated 29 June 2022 from BTTG, Leeds, United Kingdom.
23/59911B/06/22		Test report dated 7 July 2022 from BTTG, Leeds, United Kingdom.

23/59648B/04/22	Test report dated 10 May 2022 from BTTG, Leeds, United Kingdom.
23/60313B/10/22	Test report dated 7 November 2022 from BTTG, Leeds, United Kingdom.
23/60393B/11/22	Test report dated 22 November 2022 from BTTG, Leeds, United Kingdom.
23/60744/03/23	Test report dated 8 March 2023 from BTTG, Leeds, United Kingdom.
23/61412B/09/23	Test report dated 6 October 2023 from BTTG, Leeds, United Kingdom.
23/61484D/10/23	Test report dated 26 October 2018 from BTTG, Leeds, United Kingdom.
23/61484A/10/23	Test report dated 26 October 2023 from BTTG, Leeds, United Kingdom.
23/61484B/10/23	Test report dated 26 October 2023 BTTG, Leeds, United Kingdom.
23/61650/12/23	Test report dated 20 December 2023 from BTTG, Leeds, United Kingdom.
27/03101G/04/14	Test report dated 1 May 2014 from BTTG, Leeds, United Kingdom.

APPENDIX

Product Description

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Product name	Trade Names	Composition	Grammage [g/m ²]	Test report No.
Airy		100% Trevira CS	115	23/58931A/09/21
Akemi		100% Trevira CS	210	69845
Alter		100% Trevira CS	120	23/59379A/02/22
Arcade		100% Trevira CS	155	23/61650/12/23
Ark	Karat 300 May	100% Trevira CS	155	27/03101J/04/14
Basal		100% Trevira CS	230	23/59350/02/22
Blush		100% Trevira CS	320	23/61412B/09/23
Calla		100% Trevira CS	360	103575
Core		100% Trevira CS	215	23/59854B/06/22
Day		100% Trevira CS	108	27/03101G/04/14
Dito		100% Trevira CS	130	23/60313B/10/22
Dual	Dual Reflect	100% Trevira CS	315	23/58698A/07/21
Glory		100% Trevira CS	265	23/61484D/10/23
Grace		100% Trevira CS	100	23/59911B/06/22
Grain		100% Trevira CS	187	78286-01
Incendo		100% Trevira CS	170	27/03148/05/14
Interact		100% Trevira CS	210	23/57778-1
Maven		100% Trevira CS	200	23/62994B/03/25
Noun		100% Trevira CS	260	23/58193-1-1
Nova		100% Trevira CS	110	27/03428/02/15
Ombré		100% Trevira CS	220	72626-01
Opag		100% Trevira CS	124	27/03101D/04/14
Pond		100% Trevira CS	185	89982-01
Prime		100% Trevira CS	360	76380
Prism		100% Trevira CS	265	23/61484A/10/23
Pure		100% Trevira CS	160	23/58282-1-2
Saint		100% Trevira CS	265	23/61484B/10/23
Salt		100% Trevira CS	190	113225
Seam		100% Trevira CS	280	23/62084A/05/24
Sense		100% Trevira CS	330	113195-01
Sintra		100% Trevira CS	200	87072-01
Sway		100% Trevira CS	60	23/57811-1
Topic	Amara Salamanca	100% Trevira CS	118	69870
Tune		100% Trevira CS	360	23/58364-1-2
Twin		100% Trevira CS	280	71393
Veil		100% Trevira CS	85	23/60393B/11/22
Wonder		100% Trevira CS	185	23/60744/03/23
Yoyo		100% Trevira CS	360	23/59648B/04/22
Årstider	Ara Flora Mint Reed Wood	100% Trevira CS	90	27/03101H/04/14



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