

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of Norway.

This is to certify:

That the Upholstered furniture

with type designation(s)
Upholstery Leather

Issued to

Elmo Sweden AB
SVENLJUNGA, Sweden

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2018/773,**

item No. MED/3.20 and Annex B, Module B in the Directive SOLAS 74 as amended, Regulation II-2/3, II-2/5, II-2/9 & X/3, 2000 HSC Code 7 and IMO 2010 FTP Code

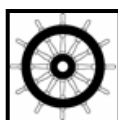
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-04-09**.

Issued at **Høvik** on **2019-04-10**

DNV GL local station:
Gothenburg

Approval Engineer:
Karolina Kusmider



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
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.

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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

Upholstery Leather.
See appendix to this certificate.

Application/Limitation

Approved for use throughout the accommodation as upholstery fabric for upholstered furniture.

Approved with standard non-FR polyurethane foam filling material type of density 22 kg/m³. Same type foam with higher density may also be used as filling material.

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

Type Examination documentation

Test reports: see appendix.

Tests carried out

Tested according to IMO 2010 FTP Code part 8.

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, Rev. No. 1

to EC Type – Examination Certificate MEDB000059A

Trade name	Composition	Thickness	Foam	Test report
Elmobaltique	Aniline, chrome tanned leather	1.3–1.5 mm	standard non-treated polyurethane with nominal density 20–22 kg/m ³	6P06499 dated 17 August 2016 from SP Technical Research Institute of Sweden, Borås, Sweden
Elmonordic	Semi aniline chrome tanned leather	1.3–1.5 mm	standard non-treated polyurethane with nominal density 20–22 kg/m ³	6P00524-1 dated 8 March 2016 from SP Technical Research Institute of Sweden, Borås, Sweden
Elmosoft	Chrome-free leather	1.1–1.3 mm	standard non-treated polyurethane with nominal density 20–22 kg/m ³	6P00524-2 dated 8 March 2016 from SP Technical Research Institute of Sweden, Borås, Sweden
Elmotech	Lightly pigmented chrome tanned leather	1.3–1.5 mm	standard non-treated polyurethane with nominal density 20–22 kg/m ³	6P00524-4 dated 8 March 2016 from SP Technical Research Institute of Sweden, Borås, Sweden
Elmotransport	Chrome-free leather	1.2–1.4 mm	standard non-treated polyurethane with nominal density 20–22 kg/m ³	6P00524 dated 8 March 2016 from SP Technical Research Institute of Sweden, Borås, Sweden
Elmotreasure	Chrome-free leather	1.1–1.3 mm	standard non-treated polyurethane with nominal density 20–22 kg/m ³	6P00524-5 dated 8 March 2016 from SP Technical Research Institute of Sweden, Borås, Sweden

Job Id: **344.1-003173-4**
Certificate No: **MEDB000059A**

Trade name	Composition	Thickness	Foam	Test report
Rustical	Aniline, chrome tanned leather	1.3–1.5 mm	standard non-treated polyurethane with nominal density 20–22 kg/m ³	6P00524-3 dated 8 March 2016 from SP Technical Research Institute of Sweden, Borås, Sweden