DNV·GL

Certificate No:
MEDB0000204

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 the Kingdom of Norway.

This is to certify:

That the Bedding components

with type designation(s)
Modern MDP (Polyurethane mattress)

Issued to
Modern Intech Co., Ltd.
Busan, Republic of Korea

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
Annex A.1, item No. A.1/3.21 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2/3, 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 **2021-12-05**.

Issued at **Høvik** on **2016-12-06**

DNV GL local station:
Busan

Approval Engineer:
Tessa Biever

Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

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Product description

"Modern MDP"
Mattress composed of:

Mattress cover:	Composition polyester 34%/cotton 66% (mass per unit 195.2 $^{+}$/-100g/m^2).
Inner cover:	Two layers: 1. Fire retardant sponge and flexible polyurethane foam (density 18.6kg/m^3) 2. Non-woven fabric Polyester 100% (mass per unit 20.7g/ m^2)
Filling:	Flexible Polyurethane foam (density 40.6kg/m^3) .

Total mattress thickness : 30-250 mm with apparent density 53,1 kg/m^3.

For further details of the mattress see Type Examination documentation below.

Application/Limitation

Approved for use throughout the accommodation as not readily ignitable bedding component.

Any thin light mattress or removable cover used in conjunction with the approved product is to be approved according to the Marine Equipment Directive.

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

Type Examination documentation

- Test Report No. 11-078 (E) dated 31 May 2011 from Research Institute of Marine Engineering, Tokyo, Japan.
- Technical Note. 11-411(E) dated 30 November 2011 from Research Institute of Marine Engineering, Tokyo, Japan.

Tests carried out

Tested according to IMO FTP Code Part 9 and in accordance with IMO 2010 FTP Code Ch. 8.

Marking of product

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