

# 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 Thermal protective aids

with type designation(s)

**Ascotherm TPA: Mk I, Mk II, Mk IV & Progress Mk I**

Issued to

**Hansen Protection AS**  
**MOSS, Norway**

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

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

**item No. MED/1.7. SOLAS 74 as amended, Reg. III/4, III/22, III/32 & III/34, LSA Code and 2000 HSC Code 8, IMO MSC/Circ.1046.**

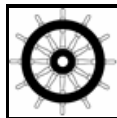
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-03-07**.

Issued at **Høvik** on **2019-03-08**

DNV GL local station:  
**Sandefjord**

Approval Engineer:  
**Jasna Jovovic-Lainis**



Notified Body  
No.: **0575**

for **DNV GL AS**

**Roald Vårheim**  
**Head of Notified Body**



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-001945-3**  
Certificate No: **MEDB000051E**

## Product description

Ascotherm TPA, is a thermal protective aid fitted with hood and zip that comes in four variants:

- type Mk I is a bag with hood and zip
- type Mk II is fitted with arms
- type Mk IV is fitted with arms
- type Progress Mk I is fitted with arms and legs

Textile: Lenzing AG Aluminised polyester, 84 gram/m<sup>2</sup>, PE coating.

## Application/Limitation

Approved as thermal protective aid.

The TPA shall be used in conjunction with an approved lifejacket.

The design assessment is based on IMO Res. MSC.48(66) as amended by IMO Res. MSC.207(81).

## Type Examination documentation

Basis for approval:

Ascon Kemi, Product specification 1999-01-26  
Conductance confirmation by THELMA AS ref. compliance with  
IMO Res. MSC.226(82)

## Tests carried out

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70) part 1, including IMO Res. MSC.200(80), IMO Res. MSC.226(82) and IMO Res. MSC.323(89).

## Marking of product

The product is to be indelibly marked with name of manufacture, type designation, dimensions and data of manufacture. The marking shall be according to LSA Code as amended by IMO Res. MSC.48(66), item 1.2.2.9.