

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Protective Clothing**

with type designation(s)
TRELLCHEM®LIGHT type TR chemical protective clothing

Issued to
Ansell Protective Solutions AB
Trelleborg, Sweden

is found to comply with
DNV GL offshore standards
DNV GL rules for classification – Ships
Det Norske Veritas' Interpretation of SOLAS 1974 Convention as Amended

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2021-05-29**.

Issued at **Hamburg** on **2016-05-30**

DNV GL local station: **Gothenburg**

Approval Engineer: **John Alan Walton**

for **DNV GL**

Antje Fleischhauer
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 date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Job Id: **262.1-022541-1**
Certificate No: **TAF00000A2**

Product description

The TRELLECHEM@LIGHT chemical protective clothing is classed as a Type 1b gas-tight chemical protective suit with a breathable air supply worn outside the chemical protective suit.

To be used with positive pressure breathing apparatus (complying with EN136 & EN137) and Trelchem TC Hood or Trelchem Mini Hood, alternatively permanently attached Dräger Panorama Nova EPDM or Interspiro Spiromatic full face mask.

The garment material is of polyamide coated with PVC. Standard colour is orange.

Integral socks/booties in the suit material with separate outer boots or alternatively attached boots of an approved type may be used.

Gas-tight PVC coated zipper with splashguard

Ansell Scorpio neoprene gloves attached with the Trelchem Bayonet ring system or other gloves of approved type.

The suit has one overpressure valve with splashguard.

The product is manufactured by Ansell Protective Solutions Lithuania, UAB, Pramonės 5K, LT-72328 Tauragė, Lithuania.

Application/Limitation

As required by SOLAS 1974 as amended, Ch. II-2 Reg.19.3.6.1 and IMO IBC Code, Ch.14.1.

Achieved performance levels of the protective clothing material - EN 943-1 :2002

Abrasion resistance (EN530) Class 6

Flex cracking resistance (EN ISO 7854 Method B) Class 6

Trapezoidal tear resistance (EN ISO 9073-4) Class 4

Tensile strength (EN ISO 13934-1) Class 6

Puncture resistance (EN 863) Class 3

Resistance to flame (EN 13274-4) Class 3

Seam strength (EN 13935-2) Class 6

Achieved performance levels for resistance to permeation by chemicals - EN 943-1 2002:

Sodium hydroxide, 40% Class 6

Hydrochloric acid, 37% Class 6

The applicant's instructions for use, storage, transport, maintenance and the applicant's recommendations and restrictions for use are to be complied with.

Type Approval documentation

Test reports Nos.

112-23562.15a dated 2013-01-17 issued by Force Technology

112-23562.15b dated 2013-01-18 issued by Force Technology

112-23562.15d dated 2013-01-18 issued by Force Technology

116-24375-01a dated 2016-04-15 issued by Force Technology

115-22900.10a dated 2016-02-05 issued by Force Technology

115-22900.10 dated 2016-02-15 issued by Force Technology

109-29288 dated 2009-09-04 issued by Force Technology

113-27778 dated 2013-08-01 issued by Force Technology

Ref. No. 34862 doc 33723 dated 2016-1-28 issued by Proquares

Ref. No. 36075 doc 36131 dated 2016-3-24 issued by Proquares

EC Type examination certificate (PPE Directive) DK-0200-PPE-00520 Version 2 dated 2016-05-25 issued by Force certification

EC Type examination certificate (PPE Directive) CE-1775-23/12 dated 2012-08-06 issued by CTCF

Drawing 363039-246A Trelchem Light TR issued by Ansell Protective Solutions AB

User manual TRELLECHEM@LIGHT



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Tests carried out

EN 943-1:2002

Marking of product

The markings are to be in accordance with EN 943-1 2002 Para 8.

The product or its packing shall as a minimum be marked with the company's name, trade mark and the same type designations as given in the TA certificate for traceability. The marking shall be permanent and unique.

Periodical assessment

DNV GL'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 DNVGL-CP-0338, Section 4.