DANAK
PROD Reg. nr. 7020

FORCE Certification

EU Type-Examination Certificate

Regulation on Personal Protective Equipment (Module B)
Certificate No.: 0200-PPE-04542 version 1

FORCE Certification A/S (EU-notified body number 0200) has in accordance with Regulation (EU) 2016/425 of The European Parliament and of The Council of 9 March 2016, issued EU Type-Examination Certificate to:

Manufacturer: **Ansell Protective Solutions AB**
Arenagatan 8B
SE-215 33 Malmö, Sweden

For manufacturing the following personal protective equipment:

Type/Description:	**Chemical protective chlothing**
Model/Designation:	**AlphaTec SUPER type T-ET (previously Trellchem)**
	To be used with positive pressure breathing apparatus. Use of AlphaTec Mini Hood or SCBA Cover is recommended, alternatively permanently attached full face mask. Integral socks/booties in the suit material or attached Nitrile rubber Fireman SA boots. Gastight HCR zipper. Bayonet ring system with attached AlphaTec 38-628 Viton/Butyl rubber gloves. These may be combined with Ansell Barrier 02-100 inner gloves. Options: different gloves.
Applied standard(s):	**EN 943-1:2015 + FprA1:2018, EN 943:2-2002 + FprEN 943-2:2018, EN 1073-2:2002, EN 14126:2003**
Performance level:	**Gastight suit type 1b-ET-B, enhanced robustnmess. EN 1073-2 TIL class 3**
Category:	**III**

The examined sample of personal protective equipment is found to fulfill the relevant requirements of the applied standard(s) and to be in compliance with the applicable essential health and safety requirements of Regulation (EU) 2016/425. Documentation for observance of relevant requirements and the basis for the type-examination are described in the appendix to this certificate. The manufacturer shall inform FORCE Certification A/S of any contemplated changes.

This certificate can only be used in conjuction with a valid comformity assessment procedure according to Regulation (EU) 2016/425 module C2 or D.

Date of issue: **2018-07-11**
Date of expiry: **2023-07-10**

Philippa W. Osted
Certification Manager

Erik Bjarnov
Examiner

FORCE Certification A/S task No.: **118-22683.07** / Certificate ID: **0200-PPE-04542**

Classification Annex to EU Type-Examination Certificate

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Certificate No.: DK-0200-PPE-**04542** version **1**
Issued by FORCE Certification A/S - EU-notified body number 0200

AlphaTec SUPER material properties.
Classification according to EN 14325:2004/EN 14325:2018

Property	Class	Class requirements*
Abrasion resistance (EN 530)	6/6	> 2000 cycles
Flex cracking resistance (ISO 7854:B)	6/6	> 100000 cycles/>50000
Flex cracking resistance at – 30 °C (ISO 7854:B)	6/6	> 4000 cycles
Tear resistance (EN ISO 9073-4)	3/3	> 40 N
Tensile strength (EN ISO 13534-1)	6/6	> 1000 N
Puncture resistance (EN 863)	3/3	> 50
Resistance to flame (EN 13274-4:2001 method 3 modified)	3/3	5s in flame, leak tight afterwards
Seam strength (EN ISO 13935-2)	6/6	> 500 N
Closure/zipper strength (EN ISO 13935-2)	-/6	- / > 500 N

* If only one value is shown classification requirement is the same in the two versions

Additional tests not required in EN 943-1:2015 and EN 14325:2004/2018.

Property	Value or class	Requirements
EN ISO 14116 Limited flame spread index	1	See EN ISO 14116, index 1
EN 1149-5 Shielding (S), Decay time t_{50}	S=0.98, t_{50}<0.01s	S>0.2, t_{50}<4s
Resistance to blocking ISO 5978	2	Slight blocking

Resistance to permeation by chemicals.

Chemical	SUPER suit	SUPER suit seam	HCR Zipper	Glove V/B 38-628	Glove A. Barrier 02-100	Boot Fireman SA
Acetone	5	3	6	6	6	5
Acetonitrile	6	6	6	6	6	5
Ammonia (gas)	6	6	6	6	1*	6
Carbon disulfide	6	5	5	6	6	6
Chlorine (gas)	6	6	6	6	5	6
Dichloromethane	3	3	3	3*	2*	3
Diethyl amine	2**	2**	2	2*	6	6
Ethyl acetate	3	4	6	4	6	6
n-Heptane	6	6	6	6	6	≥3
n-Hexane	6	6	6	6	6	6
Hydrogen chloride (gas)	6	6	6	6	5*	6
Methanol	6	6	5	6	6	6
Sodium hydroxide 40%	6	6	6	6	6	6
Sulphuric acid 96%	6	6	6	6	6	6
Tetrahydrofuran	1**	1**	1	2*	6	5
Toluene	6	6	6	6	6	6

* The combination of the Barrier glove and another glove will at least give protection as the better of the two gloves. If the Barrier glove is used alone (not recommended) the configuration is not suitable for exposure to ammonia under continuous exposure. In combination with AlphaTec 38-628 class 5 was found for dichloromethane.
If using the AlphaTec 38-628 glove alone the configuration is not suitable for tetrahydrofuran under continuous exposure.

** Diethyl amine and tetrahydrofuran are not part of the "industrial" EN 943-1:2015 approval due the class 3 minimum requirement. The suit provides only limited protection against tetrahydrofuran as defined in FprEN 943-2:2018.

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Certificate No.: DK-0200-PPE **04542** version **1**
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Classification for protection against infective agents according to EN 14126:2003

Property	Class
Resistance to penetration by contaminated liquids under pressure (ISO16603 and ISO 16604)	6
Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids (EN ISO 22610:2006)	6
Resistance to penetration by contaminated liquid aerosols (ISO/DIS 22611)	3
Resistance to penetration by contaminated solid particles (ISO 22612)	3

The suit has been assessed to be safe for use in explosive atmospheres according to ATEX Directive and EN 13463-1. See test and assessment report DEKRA 11EXAM 10558 BVS-BI dated 22nd June 2011.

Date: 2018-07-11

Erik Bjarnov
Examiner