

ANNEX

EU TYPE EXAMINATION CERTIFICATE Nr. 031/2020/0723.02

1. Applicant

HAVEP
Parallelweg 6-06
5051 HG Goirle
Netherlands

2. Description

EN 13034:2005+A1:2009



Type 6

EN ISO 11612:2015



A1 B1 C1 F1

EN ISO 11611:2015



A1 Class 1



EN ISO 20471:2013+A1:2016



3

EN 1149-5:2018



IEC 61482-2:2018



APC 1



3. Materials and accessories

Outer fabric

- D001515
- D009A03/D001518
- D09328MM/D001287
- D09339MQ/D001269
- D1S177ZM/D001177
- D1S279MT/D001279
- D1S292ZB/D001292
- D1S3302Z/D001330
- D1S3313Z/D001331
- D1S337MX/D001337
- D1S342ZM/D001342
- D1S420MQ/D001420

Lining

- D1S282KS/D001282
- D1S289YP/D001289 (collar or pocket lining)
- D1S431ZD/D001431

Reflective Tape

- FR263113/FR263113888B070
- FR263115/FR263114
- FR263132/FR263132888B050
- FR263133 5530
- FR263133 5535
- FR263140

Transfer

- Pi Standard Classic FR on CO/PES 290 g/m²
- Pi Standard Classic FR on MOD/CO 200 g/m²
- PI Standard Classic FR on PES/CO 295 g/m²
- Polytrans FR (Polymark) on CO/PES 250 g/m²
- Polytrans FR (Polymark) on MOD/CO 240 g/m²

Hook and loop fastener closed

- hook and loop VEHFR/021+VE25ZFR/021 (Alfatex) on CO/PES 250 g/m²
- hook and loop VEHFR/021+VE25ZFR/021 (Alfatex) on MOD/CO 300 g/m²
- hook and loop VEHFR/021+VE25ZFR/021 (Alfatex) on PES/CO 285 g/m²

Seam

- seam FG266000 on CO/PES 280 g/m²
- seam FG266000 on MOD/CO 200 g/m²
- seam FG266000 on PES/CO 300 g/m²



Zipper

- zipper COIL FR263019/FR263256 on CO/PES 250 g/m²
- zipper COIL FR263019/FR263256 on MOD/CO 200 g/m²
- zipper COIL FR263019/FR263256 on PES/CO 300 g/m²
- zipper METAL FR263040/41/42 on CO/PES 250 g/m²
- zipper METAL FR263040/41/42 on MOD/CO 200 g/m²
- zipper METAL FR263040/41/42 on PES/CO 300 g/m²
- zipper VISLON FR263010/FR263009 on CO/PES 250 g/m²
- zipper VISLON FR263010/FR263009 on MOD/CO 200 g/m²
- zipper VISLON FR263010/FR263009 on PES/CO 300 g/m²

Press button

- heavy metal press button FD263042/43/44/45/46 // light metal press button FD263055/56/57/58
- plastic press button FD263014/15/16 (uncovered) on CO/PES 250 g/m²
- plastic press button FD263014/15/16 (uncovered) on MOD/CO 200 g/m²
- plastic press button FD263014/15/16 (uncovered) on PES/CO 300 g/m²

Garment

- 50285 BOX1 MQ (CO/PES)
- AEA VBOX1 D342+D330 (MAC)
- D1S279MT/D001279 garment
- D1S3302Z/D001330 garment
- D1S3313Z/D001331 garment
- D1S337MX/D001337 garment

Reinforcement

- D1S3858Z/D001385

Fluorescent material

- D009A03-620/D001518-620 HV Orange
- D09328MM670/D001287-670 HV Yellow
- D09339MQ670/D001269-670 HV Yellow
- D1S177ZM670/D001177-670 HV Yellow
- D1S292ZB670/D001292-670 HV Yellow
- D1S3302Z670/D001330-670 HV Yellow
- D1S3313Z670/D001331-670 HV Yellow
- D1S337MX670/D001337-670 HV Yellow
- D1S342ZM620/D001342-620 HV Orange
- D1S420MQ670/D001420-670 HV Yellow

Contrast fabric outer

- D001515-520 Charcoal
- D09328MM100/D001287-100 Navy
- D09328MM170/D001287-170 Cornblue
- D09328MM400/D001287-400 Bottle Green
- D09328MM520/D001287-520 Charcoal



- D09328MM543/D001287-543 Grey
- D09328MM653/D001287-653 Gold Yellow
- D09328MM700/D001287-700 Red
- D09339MQ100/D001269-100 Navy
- D09339MQ170/D001269-170 Cornblue
- D09339MQ400/D001269-400 Bottle Green
- D09339MQ500/D001269-500 Black
- D09339MQ520/D001269-520 Charcoal
- D09339MQ543/D001269-543 Grey
- D09339MQ549/D001269-542 Convoy
- D09339MQ600/D001269-600 Orange
- D09339MQ700/D001269-700 Red
- D1S177ZM100/D001177-105 Dark Navy
- D1S177ZM170/D001177-173 Delftblue
- D1S177ZM700/D001177-700 Red
- D1S279MT100/D001279-100 Sailor Blue
- D1S279MT101/D001279-101 Navy
- D1S279MT170/D001279-170 Royal Box
- D1S279MT700/D001279-700 Red
- D1S292ZB101/D001292-101 Dark Denim
- D1S292ZB170/D001292-173 Delftblue
- D1S3302Z100/D001330-105 Dark Navy
- D1S3302Z170/D001330-173 Delftblue
- D1S3302Z520/D001330-520 Charcoal
- D1S3302Z700/D001330-700 Red
- D1S3313Z100/D001331-105 Dark Navy
- D1S3313Z170/D001331-173 Delft Blue
- D1S3313Z520/D001331-500 Black
- D1S3313Z543/D001331-520 Charcoal
- D1S3313Z550/D001331-550 Bianco
- D1S3313Z700/D001331-700 Red
- D1S337MX100/D001337-100 Navy
- D1S337MX170/D001337-174 Ocean Blue
- D1S337MX520/D001337-520 Charcoal
- D1S337MX543/D001337-543 Grey
- D1S337MX600/D001337-600 Orange
- D1S337MX700/D001337-700 Red
- D1S420MQ520/D001420-542 Convoy

Contrast fabric inner

- D1S282KS500/D001282-500 Black
- D1S289YP100/D001289-100 Navy (collar or pocket lining)
- D1S289YP500/D001289-500 Black (collar or pocket lining)
- D1S431ZD520/D001431-520 Charcoal

Ribbed edge

- FB260010

**Exterior accessory**

- FO263213

4. Technical documentation

Summary test results

EN 13034:2005+A1:2009

Outer fabric

D1S3313Z/D001331

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 3
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 5
EN 863	Puncture resistance	PASS	Class 2
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 5
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 2
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 2
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 3

EN 13034:2005+A1:2009

Outer fabric

D1S3302Z/D001330

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 3
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 5
EN 863	Puncture resistance	PASS	Class 2
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 5
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 2
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 2
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 2



EN 13034:2005+A1:2009

Outer fabric

D1S342ZM/D001342

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 5
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 4
EN 863	Puncture resistance	PASS	Class 3
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 6
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 1
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 1
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 1
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 2

EN 13034:2005+A1:2009

Outer fabric

D1S337MX/D001337

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 2
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 5
EN 863	Puncture resistance	PASS	Class 3
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 6
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 2
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 2
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 3



EN 13034:2005+A1:2009

Outer fabric

D09339MQ/D001269

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 2
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 5
EN 863	Puncture resistance	PASS	Class 3
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 6
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 2
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 3

EN 13034:2005+A1:2009

Outer fabric

D1S177ZM/D001177

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 3
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 5
EN 863	Puncture resistance	PASS	Class 3
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 5
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 3



EN 13034:2005+A1:2009

Outer fabric

D1S292ZB/D001292

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 3
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 5
EN 863	Puncture resistance	PASS	Class 2
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 3
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 2
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 2
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 3

EN 13034:2005+A1:2009

Outer fabric

D1S279MT/D001279

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 3
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 4
EN 863	Puncture resistance	PASS	Class 2
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 5
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 1
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 1
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 2
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 1



EN 13034:2005+A1:2009

Outer fabric

D09328MM/D001287

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 3
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 5
EN 863	Puncture resistance	PASS	Class 3
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 6
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 1
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 2
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 3

EN 13034:2005+A1:2009

Outer fabric

D1S420MQ/D001420

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 3
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 5
EN 863	Puncture resistance	PASS	Class 3
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 6
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 0
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 1
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 0
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 2
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 1



EN 13034:2005+A1:2009

Outer fabric

D009A03/D001518

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 4
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 6
EN 863	Puncture resistance	PASS	Class 2
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 3
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 1
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 0
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 1
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 0

EN 13034:2005+A1:2009

Outer fabric

D001515

Method	Description	Result	Class
ISO 9073 4	Tear resistance trapezoidal	PASS	Class 3
EN ISO 13934 1	Tensile strength and elongation	PASS	Class 5
EN 863	Puncture resistance	PASS	Class 3
EN 530 Methode 2 (acc EN ISO 14325:2004)	Abrasion resistance	PASS	Class 6
EN 368 [EN ISO 6530] repellency o-xylene	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency NaOH	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency H2SO4	Liquid repellency	PASS	Class 3
EN 368 [EN ISO 6530] repellency butan-1-ol	Liquid repellency	PASS	Class 2
EN 368 [EN ISO 6530] penetration o-xylene	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration NaOH	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration H2SO4	Liquid penetration	PASS	Class 3
EN 368 [EN ISO 6530] penetration butan-1-ol	Liquid penetration	PASS	Class 3

EN 13034:2005+A1:2009

Seam

seam FG266000 on MOD/CO 200 g/m²

Method	Description	Result	Class
ISO 13935-2	Seam strength	PASS	Class 4



EN 13034:2005+A1:2009

Seam

seam FG266000 on CO/PES 280 g/m²

Method	Description	Result	Class
ISO 13935-2	Seam strength	PASS	Class 4

EN 13034:2005+A1:2009

Seam

seam FG266000 on PES/CO 300 g/m²

Method	Description	Result	Class
ISO 13935-2	Seam strength	PASS	Class 4

EN 13034:2005+A1:2009

Garment

D1S3313Z/D001331 garment

Method	Description	Result	Class
EN ISO 17491-4	Spray test	PASS	

EN 13034:2005+A1:2009

Garment

D1S3302Z/D001330 garment

Method	Description	Result	Class
EN ISO 17491-4	Spray test	PASS	

EN 13034:2005+A1:2009

Garment

D1S337MX/D001337 garment

Method	Description	Result	Class
EN ISO 17491-4	Spray test	PASS	

EN 13034:2005+A1:2009

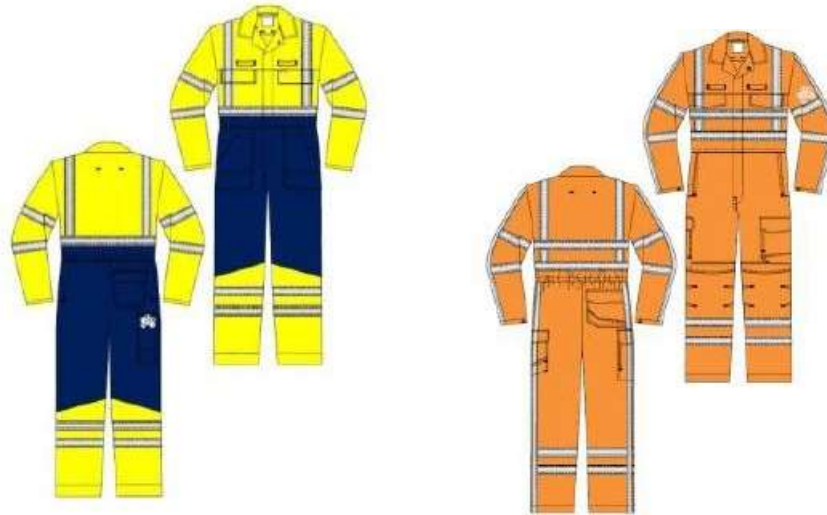
Garment

D1S279MT/D001279 garment

Method	Description	Result	Class
EN ISO 17491-4	Spray test	PASS	

Description/Picture of article

Article **Overall VP-19-OL3**



The above picture is a general picture of the article. Possible variations of the above article can be present in the technical file.

Note :

Any modification in material, design, or other technical features must be brought to the attention of the Notified Body.