



In application of the directive 89/686/EEG of 21 December 1989 concerning the harmonisation of the Member States legislation relative to personal protective equipment, Centexbel Notified body 0493 authorised by decree AV/OA235/ST dated 94-05-25 of the Ministry of Employment and Labour has issued

CE TYPE EXAMINATION CERTIFICATE

Nr. 031/2015/0323

This CE Type examination certificate is valid until 16 Mar 2020

to: **ROOTS for Safety bv, Hoogvliet Rotterdam**

for: **The waistcoats Class2 Hivis HVFRA-V2-02**


The personal protective equipment above mentioned satisfies the applicable essential safety requirements of the Directive.

For the argumentation, the following standards are used:

EN ISO 11612:2008	Protective clothing - clothing to protect against heat and flame
EN 1149-5:2008	Protective clothing - Electrostatic properties - Part 5: Material performance and design requirements
EN ISO20471:2013	High visibility clothing - Test methods and requirements
EN ISO13688:2013	Protective clothing - General requirements

This declaration applies to the equipment as submitted in the type testing and described in the manufacturer's technical file that is registered with number 7077.

Issued by Centexbel, Notified Body 0493(*), in Ghent, on 16 Mar 2015


Inge De Witte
Certification Manager

Attached: 1 Annex



*Recognized by decree AV/OA235/ST of 94-05-25 of the Ministry of Labor and Employment



CENTEXBEL, TEXTILE COMPETENCE CENTRE

Technologiepark 7 • BE 9052 Gent • Belgium • phone +32 9 220 41 51 • fax +32 9 220 49 55 • gent@centexbel.be • www.centexbel.be



ANNEX

CE TYPE EXAMINATION CERTIFICATE Nr. 031/2015/0323

1. Application

ROOTS for Safety bv
Mandenmakerstraat 41
3194 DA Hoogvliet Rotterdam
The Netherlands

2. Description

EN 1149-5:2008

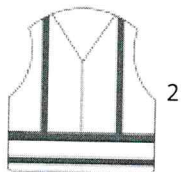


EN ISO 11612:2008



A1 B1 C1 D0 E0 F1

EN ISO 20471:2013



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3. Materials and accessories

Outer fabric

- Foreman Flamestop Antistat

Reflective Tape

- Loxylight 9801

Zipper

- zipper in combination with Foreman Flamestop Antistat

Fluorescent material

- Foreman Flamestop Antistat HV Orange





4. Technical documentation

Summary test results

EN ISO 11612:2008 Outer fabric **Foreman Flamestop Antistat**

Method	Description	Result	Class
ISO 13938-1	Burst strength (knitted)		
ISO 5077	Dimensional change of knitted material		
ISO 9185	Molten iron splash (E)	/	/
ISO 12127 (250°C)	Contact heat (F)	PASS	F1
ISO 15025:2000 Procedure A - after pretreatment	Flame spread Procedure A	PASS	A1
ISO 9151	Convective Heat (B)	PASS	B1
ISO 6942 method B	Radiant Heat (C)	PASS	C1
ISO 9185	Molten Aluminium splash (D)	PASS	D1
ISO 5077	Dimensional change of woven textile mat.	PASS	
ISO 6330	Pre-treatment	PASS	
ISO 17493	Heat Resistance 180°C	PASS	
ISO 13934-1	Tensile strength	PASS	
ISO 13937-2:2000	Tear strength	PASS	
ISO 15025:2000 Procedure A - on original fabric	Flame spread on original fabric Procedure A	PASS	A1

EN 1149-5:2008 Outer fabric **Foreman Flamestop Antistat**

Method	Description	Result	Class
EN 1149 1	Surface Resistivity	/	/
ISO 6330	Pre-treatment	PASS	
EN 1149-3:2004 methode 2	Measurement of charge decay	PASS	

EN ISO13688:2013 Outer fabric **Foreman Flamestop Antistat**

Method	Description	Result	Class
ISO 1413 textiel	pH	PASS	
EN 14362-1:2003	Arylamines	PASS	
ISO 5077 - ISO 6330:2000	Dimensional stability	PASS	

EN ISO 11612:2008 Reflective Tape **Loxylight 9801**

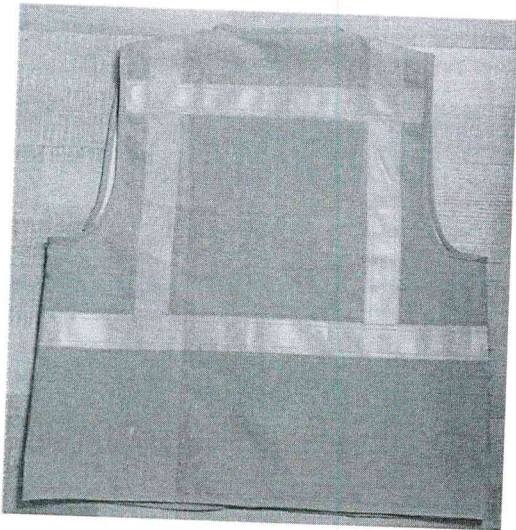
Method	Description	Result	Class
ISO 15797	Pre-treatment		
ISO 6330	Pre-treatment	PASS	
ISO 15025:2000 - accessories	Flame spread op hardware + labels, badges, reflective tapes, ...	PASS	A1

EN ISO20471:2013 Reflective Tape **Loxylight 9801**



INGELICHTING ERKEND BIJ TOEPASSING VAN DE BESLUIT VAN 30 JANUARI 1947 / ETABLISSMENT RECHT INNIET PAIS 1937

Description/Picture of article



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.

INRICHTING ERKEND BIJ TOEPASSING VAN DE BESLUITWET VAN 30 JANUARI 1947 / ETABLISSEMENT RECONNU PAR APPLICATION DE LA LOI DU 30 JANVIER 1947

