



FIOH

notified by the Ministry of Social Affairs and Health
and identified under 0403 grants

EC TYPE EXAMINATION CERTIFICATE

16488WLS01rev2

for protective clothing against heat and flame,
thermal effects of electric arc
and for use in welding and allied processes
as defined in EN ISO 11612:2015, A1+A2 B1 C1 F1,
IEC 61482-2:2009 class 1 (4 kA),
and EN ISO 11611:2015 class 2 A1+A2

Coverall 76159

Red Wing Shoe Company Inc.
Minnesota, USA

This product complies with Directive 89/686/EEC,
as amended

Helsinki, 28 June 2018
Expiry date: 21 April 2023

Minna Torenius
Specialist

Erja Tammela
Senior Specialist



1. Applicant

Red Wing Shoe Company Inc.
314 Main Street
Red Wing
55066 Minnesota
USA

2. Description and identification of the product

Type: Protective clothing against heat and flame, thermal effects of electric arc and for use in welding and allied processes as defined in EN ISO 11612:2015, IEC 61482-2:2009 and EN ISO 11611:2015

EN ISO 11612: Performance levels A1+A2 B1 C1 F1
IEC 61482-2: Class 1 (4 kA)
EN ISO 11611: Class 2 A1+A2

Name: Coverall 76159

Description: Coverall is made of Quality 36, Art# 504531, 100% CO, 450 g/m² (Daletec AS, Norway).

Representative in Europe:
Red Wing Shoe BV, Van Diemenstraat 272, NL-1013 CR Amsterdam, Netherlands

Picture of the product is on page 3.

3. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. Material and the product have been tested in accordance with harmonized European standards EN ISO 11612:2015, IEC 61482-2:2009 and EN ISO 11611:2015 by accredited testing laboratories. The model of the product supplied by the applicant conforms to the technical documentation.

4. Compliance with basic health and safety requirements

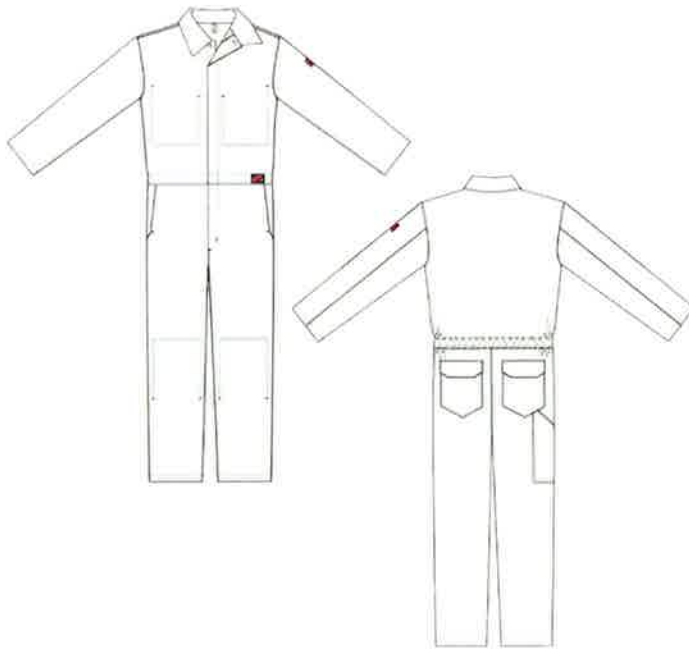
The product and the technical documentation relating to it comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC Annex II as amended, last amended by 96/58/EC.

Note: Any modification in design, materials, or in the technical documentation, carried out on this type examined product must be brought to the attention of FIOH.



Picture of the product

Coverall 76159



Appendix 1. Technical documentation

End of EC type examination certificate 16488WLS01rev2.



Technical documentation regarding EC type examination certificate 16488WLS01rev2

Product name: Coverall 76159

Applicant: Red Wing Shoe Company Inc., 314 Main Street, Red Wing, 55066 Minnesota, USA

Item of technical documentation	Document identification	Assessment
1. Application for the EC type examination	2016-12-01 Update request, 2017-11-16, 2018-06-13	
2. Product drawing, construction, and material list	Garment specification, 2016-05-18 RW 76159, 2016-12	Product is identified and described, materials are specified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.7	
3.1 FIOH assessment of relevant Directive basic requirements	2018-06-28	The applied harmonised standards EN ISO 13688:2013, EN ISO 11612:2015 and EN ISO 11611:2015 support the relevant requirements
3.2 West Yorkshire Materials Testing Service test report	No. 68876-01, 2015-03-26 No. 68876-02 (Amended), 2015-04-29 No. 68876, 2015-03-23 Dale Art. 504531 (quality 36)	Material meets the requirements of EN ISO 11612:2015, A1 A2 B1 C1 F1, EN ISO 11611:2015, class 2 A1 A2, and IEC 61482-2:2009 class 1 (4 kA)
3.3 FIOH test report	No. 163633T01rev1, 2011-06-30 Seam, chain stitch with overlocking and two stitchings	Seam meets the requirements of EN ISO 11612:2015 for limited flame spread A1+A2 and for seam strength
3.4 Aitex test report	No. 2011EP0532, 2011-06-21 Coverall 601 in quality art 4531, quality 00	Garment meets the requirements of IEC 61482-2:2009 class 1 (4 kA). Result can be applied to the garments with the same type of quality and accessories
3.5 FIOH test record	Assessment of the design, 2016-12-01	Coverall meets the design requirements of EN ISO 11612:2015, IEC 61482-2:2009 and EN ISO 11611:2015
3.6 Draft information sheet	User information	Document meets the requirements of the Directive, EN ISO 13688:2013, EN ISO 11612:2015, IEC 61482-2:2009 and EN ISO 11611:2015
3.7 Product markings	Drafts of markings in garment specification E-mail, 2017-08-09	Marking meets the requirements of EN ISO 13688:2013, EN ISO 11612:2015, IEC 61482-2:2009 and EN ISO 11611:2015
4. Description of the production quality system and related product control and test facilities	ISO 9001:2008 Certificate No. 43276, 2012-05-21	Agreement with FIOH on the EC quality control system for the final product (PPE category III product)