



Finnish Institute of
Occupational Health

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

EC TYPE EXAMINATION CERTIFICATE

16480HNS01

for protective clothing
for use in welding and allied processes
as defined in EN ISO 11611:2015, class 1 A1

Hitsajaan huppu (Welder's hood)

T:mi Minna Hanhiniemi
Kokkola, Finland

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

Helsinki, 7 March 2017
Expiry date: 6 March 2022

Minna Torenius
Specialist

Erja Tammela
Senior Specialist

This certificate comprises 3 pages and an appendix.
This certificate replaces certificate 25251MHS01, 2005-12-02

Finnish Institute of Occupational Health, Notified Body No. 0403,
Topeliuksenkatu 41 b, FI-00250 Helsinki, Finland



1. Applicant

T:mi Minna Hanhiniemi
Isorytintie 2
67100 Kokkola
Finland

2. Description and identification of the product

Type: Protective clothing for use in welding and allied processes
as defined in EN ISO 11611:2015, class 1 A1

Name: Hitsaajan huppu (Welder's hood)

Description: Hood can be made of the following alternative materials:

- quality KS 159, 99% CO, 1% antistatic, 350 g/m² (Wernerfelt A/S, Denmark)
- quality SAS 275 Castor, 99% CO, 1% antistatic, 280 g/m² (Wernerfelt A/S, Denmark)
- Flameban Max HVO 310, 40% Protex, 24% FR Viscose, 20% PES, 310 g/m² (Carrington Career & Workwear Ltd., UK).

Winter version is lined with knit double sided fleece fabric quality F328, 60% Kanecaron Protex M/40% CO, 300 g/m².

Hood is provided with a collar to be closed with press buttons or velcro tapes.

Manufacturer: T:mi Minna Hanhiniemi, Isorytintie 2, 67100 Kokkola, Finland

Picture of the product





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. Materials and the product have been tested in accordance with a harmonized European standard EN ISO 11611:2015 by accredited testing laboratories.

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.

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.

Appendix 1. Technical documentation

End of EC type examination certificate 16480HNS01.



Technical documentation regarding EC type examination certificate 16480HNS01

Product name: Hitsaajan huppu (Welder's hood)

Applicant: T:mi Minna Hanhiniemi, Isorytintie 2, 67100 Kokkola, Finland

<i>Item of technical documentation</i>	<i>Document identification</i>	<i>Assessment</i>
1. Application for the EC type examination	2016-11-27	
2. Product drawing, construction, and material list	Sample of the product	Product is identified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.9	
3.1 FIOH assessment of relevant Directive basic requirements	2017-03-07	The applied harmonised standards EN ISO 13688:2013 and EN ISO 11611:2015 support the relevant requirements of the Directive
3.2 West Yorkshire Materials Testing Service test report	No. 48314-01, 2011-11-08 No. 55593, 2012-11-27 KS 159	Material meets the requirements of EN ISO 11611:2015, class 2 A1 A2
3.3 STFI Certificate	No. Z 4672/10-7588/14, 2014-09-05 SAS 275 - Castor	Material meets the requirements of EN ISO 11611:2015, class 1 A1 A2
3.4 BTTG test report	Ref: 30/06757/2, 2013-06-18 Flameban HVO	Material meets the requirements of EN ISO 11611:2015, class 1 A1
3.5 Intertek test report	No. LECFI00 337509S1, 2013-11-15 Flameban Max 310 HVO	Material meets the requirements of EN ISO 11611:2015 for dimensional change, tensile and tear resistance
3.6 BTTG test report	No. 11553/STC004, 2002-09-18 Quality F328	Lining material meets the requirements of EN ISO 14116:2015 index 3 for limited flame spread
3.7 FIOH test record	Assessment of the design, 2016-11-25	Hood meets the specific design requirements of EN ISO 11611:2015
3.8 Draft information sheet	Hitsaajan huppu, käyttöohjeet EN ISO 11611:2015	Document meets the requirements of the Directive, EN ISO 13688:2013 and EN ISO 11611:2015
3.9 Product markings	Draft of marking	Marking meets the requirements of EN ISO 13688:2013 and EN ISO 11611:2015
4. Description of the production quality system and related product control and test facilities	Laadunvarmistus	Adequate for category II products