



**Bureau de normalisation
du Québec**

BNQ 1923-611/2019

**Protective Clothing for Use in Welding
and Allied Processes — Certification Protocol
(Developed from the requirements
of the standard ISO 11611)**

CERTIFICATION

BNQ 1923-611/2019

Protective Clothing for Use in Welding and Allied Processes —
Certification Protocol
(Developed from the requirements of the standard ISO 11611)

*Vêtements de protection utilisés pendant le soudage et les techniques connexes —
Protocole de certification
(élaboré à partir des exigences de la norme ISO 11611)*

BNQ
Bureau de normalisation
du Québec

Bureau de normalisation du Québec

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FOREWORD

This document was prepared in consultation with the Certification Protocol Development Committee on protective clothing for use in welding and allied processes, whose members were:

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PROTECTIVE CLOTHING FOR USE IN WELDING AND ALLIED PROCESSES

INTRODUCTION

Workers performing welding work or using allied processes are exposed to the risk of burns by flames, sparks and sprayed molten metal particles. They are also exposed to the risks of burning objects, the heat released by the process and ultraviolet radiation. Flames, sparks and molten metal particles can penetrate or set fire to clothing and cause severe burns. Combustible dust produced during grinding and sanding can accumulate on workers and their clothing, and can be ignited by a spark.

This certification program for protective clothing for use in welding and allied processes will provide employers and users with additional information to confirm that they are purchasing or wearing safe clothing.

1 PURPOSE OF THE DOCUMENT

The purpose of this document is to establish the certification requirements, rules of procedure and marking requirements that apply to the certification of protective clothing for use in welding and allied processes manufactured in accordance with the requirements of the standard ISO 11611.

This document is intended for manufacturers seeking to have the conformity of their products recognized by the Bureau de normalisation du Québec (BNQ).

2 PROGRAM SCOPE

This certification program covers protective clothing in the form of a single or two-piece garment, namely a jacket and pants, as well as additional protective clothing garments such as neck curtains, hoods, sleeves, aprons and gaiters.

For adequate complete protection of welders against hazards, personal protective equipment (PPE) covered by other standards should be worn in addition to the PPE to protect the head, face, hands and feet.

This document was developed to serve as a reference document for conformity assessment activities of specific products.

NOTE — Conformity assessment is defined as the systematic examination of the extent to which a product fulfils specified requirements.

3 NORMATIVE REFERENCES

The references below (including any amendment or errata) are normative references, and are therefore considered mandatory. They are essential to the understanding and use of this document, and are cited in appropriate places in the text.

It should be noted that a dated normative reference refers to that specific edition of the reference, while a non-dated normative reference refers to the latest edition of the reference in question.

BNQ (Bureau de normalisation du Québec) [www.bnq.qc.ca]

BNQ 9902-001 *Product, Process and Service Certification — General Rules of Procedure.*
(Certification de produits, de processus et de services — Règles de procédure générales.)

ISO (International Organization for Standardization) [www.iso.org]

ISO 11611 *Protective Clothing for Use in Welding and Allied Processes.*
(Vêtements de protection utilisés pendant le soudage et les techniques connexes.)

4 DEFINITION

For the purpose of this document, the following acronym shall apply:

PPE: personal protective equipment. French: *EPI*.

5 CLASSIFICATION

Protective clothing is grouped into two classes based on the risks associated with welding techniques. Class 1 refers to protection against low risks causing lower levels of spatter and radiant heat. Class 2 refers to protection against higher risks causing higher levels of spatter and radiant heat.