BS EN ISO 9185:2025

BSI Standards Publication

# Protective clothing — Assessment of resistance of materials to molten metal splash

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# National foreword

This British Standard is the UK implementation of EN ISO 9185:2025. It is identical to ISO 9185:2025. It supersedes BS EN ISO 9185:2007, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PH/3, Protective clothing.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN ISO 9185

October 2025

ICS 13.340.10

Supersedes EN ISO 9185:2007

English Version

# Protective clothing - Assessment of resistance of materials to molten metal splash (ISO 9185:2025)

Habillement de protection - Évaluation de la résistance des matériaux aux projections de métal fondu (ISO 9185:2025)

Schutzkleidung - Beurteilung des Materialwiderstandes gegen flüssige Metallspritzer (ISO 9185:2025)

This European Standard was approved by CEN on 27 September 2025.

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## European foreword

This document (EN ISO 9185:2025) has been prepared by Technical Committee ISO/TC 94 "Personal safety -- Personal protective equipment " in collaboration with Technical Committee CEN/TC 162 “Protective clothing including hand and arm protection and lifejackets” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2026, and conflicting national standards shall be withdrawn at the latest by April 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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## Endorsement notice

The text of ISO 9185:2025 has been approved by CEN as EN ISO 9185:2025 without any modification.

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# Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 94, *Personal safety — Personal protective equipment*, Subcommittee SC 13, *Protective clothing,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 9185:2007), which has been technically revised.

The main changes are as follows:

— reference to the new PVC sensor film (footnote 1 in 5.2);

— addition of possible use of a metal support (Figure 3, 5.10, Clause 12 and Annex A);

— addition of a performance level-based testing procedure (10.2);

— addition of Annex C, adjustments and updates in Annexes A and B.

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# Introduction

This document introduces changes intended to improve reproducibility when using a new batch of PVC sensor film.

These changes are, principally:

— more precise definitions of damage to the PVC sensor film;

— better damage assessment criteria to determine results;

— introduction of a metal support located beneath the test specimen, for tests using all metals except aluminium and cryolite.

A new batch of PVC sensor film was produced and is shown by thorough inter-laboratory trials to behave comparably to the previous PVC sensor film. The new batch of PVC sensor film is now available by a new world-wide distributor, see footnote 1 in 5.2.

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