INTERNATIONAL STANDARD

ISO 17491-4

First edition 2008-08-15 **AMENDMENT 1** 2016-02-15

Protective clothing — Test methods for clothing providing protection against chemicals —

Part 4:

Determination of resistance to penetration by a spray of liquid (spray test) (standards.iteh.ai) AMENDMENT 1

https://standards.iteh.*Wêtements de protection* 00-*Měthodes d'essai pour les vêtements* 294c9f2*fourhissant* une protection contre les produits chimiques —

Partie 4: Détermination de la résistance à la pénétration par vaporisation de liquide (essai au brouillard)

AMENDEMENT 1



Reference number ISO 17491-4:2008/Amd.1:2016(E)

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>ISO 17491-4:2008/Amd 1:2016</u> https://standards.iteh.ai/catalog/standards/sist/3a8df809-c153-40d1-8c55-294c9f2736c1/iso-17491-4-2008-amd-1-2016



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The committee responsible for this document is ISO/TC 94, Personal safety — Protective clothing and equipment, Subcommittee SC 13, Protective clothing and by Technical Committee CEN/TC 162, Protective clothing including hand and arm protection and lifejackets in collaboration.

294c9f2736c1/iso-17491-4-2008-amd-1-2016

Introduction

This amendment is intended to update 8.2 to allow better calibration of the test method and to ensure only SI-Units are used in this part of ISO 17491.

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Protective clothing — Test methods for clothing providing protection against chemicals —

Part 4: Determination of resistance to penetration by a spray of liquid (spray test)

AMENDMENT 1

Subclause 8.1, 2nd paragraph, last sentence

Replace:

"Therefore, an opening valve, which opens at $(3^{+0,5}_{-0})$ bar, should be used."

by:

"Therefore, an opening valve, which opens at (300^{+50}_{-0}) kPa, shall be used." Subclause 8.1, NOTE 2, 1st sentence (standards.iteh.ai)

Replace:

"Minor adjustments to obtain the required output can be made by increasing or decreasing the pressure at each nozzle by a maximum of 0;2 ban dog/standards/sist/3a8df809-c153-40d1-8c55-294c9f2736c1/iso-17491-4-2008-amd-1-2016

by:

"Minor adjustments to obtain the required output can be made by increasing or decreasing the pressure at each nozzle by a maximum of 20 kPa."

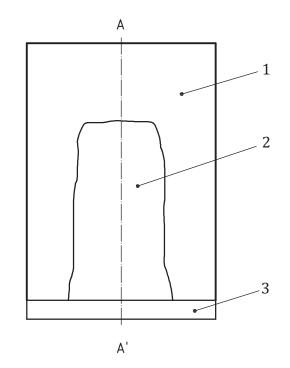
Subclause 8.2, Alignment of spray nozzles

Replace by:

The spray emission from nozzles shall be directed horizontally and perpendicular to the target sheet at a distance of $(1,5 \pm 0,1)$ m and produce a spray pattern that is symmetrical along a vertical line through the centre point of the turntable.

The correct alignment of the nozzles can be checked with a target sheet to confirm the spray pattern. This target sheet is water-absorbing with 1 m × 2,1 m or more and is placed vertically at 90° to the nozzle outlet and at the centre point of the turntable. The spray should form a pattern of liquid on the target sheet, distributed symmetrically along a vertical line through the centre point of the turntable. (See Figure 2.)

The difference between the centre line of the target sheet and the centre line of the spray pattern should be a maximum of 10 cm. If this is not the case, adjustment should be made.



Key

- water-absorbing sheet 1
- spray pattern on the target fabrich STANDARD PREVIEW 2
- AA' axis line through the centre of the turntable

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Figure 2 — Checking the alignment of the nozzles (schematic representation)

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