

# DIN EN ISO 17491-4:2024-10 (E)

## Protective clothing - Test methods for clothing providing protection against chemicals - Part 4: Determination of resistance to penetration by a spray of liquid (spray test) (ISO 17491-4 :2024)

---

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>Foreword</b> .....	<b>4</b>
<b>Introduction</b> .....	<b>5</b>
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>6</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 Principle of test method</b> .....	<b>7</b>
<b>5 Test liquid</b> .....	<b>7</b>
<b>6 Apparatus and test subjects</b> .....	<b>7</b>
<b>7 Preparation of the test subjects for the spray test</b> .....	<b>10</b>
<b>8 Preparation of the spray application system</b> .....	<b>10</b>
8.1 Test liquid.....	10
8.2 Nozzle output.....	10
8.3 Distribution of the spray liquid and alignment of spray nozzles.....	11
<b>9 Procedure</b> .....	<b>12</b>
9.1 Spray procedure.....	12
9.2 Procedure for penetration and stains.....	12
<b>10 Test report</b> .....	<b>13</b>
<b>Annex A (informative) The non-absorbent fabric and absorbent overall</b> .....	<b>14</b>
<b>Annex B (informative) Body measurements and selection sizing of the test garment</b> .....	<b>15</b>
<b>Annex C (normative) Donning and doffing of test garment and marking of stain</b> .....	<b>17</b>
<b>Annex D (informative) Interlaboratory study (ILS) observations for ISO 17491-4 Methods A and B</b> .....	<b>19</b>
<b>Bibliography</b> .....	<b>23</b>