

# ISO 20349-1:2017-07 (E)

## Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 1: Requirements and test methods for protection against risks in foundries

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Classification of footwear .....</b>	<b>2</b>
<b>5</b>	<b>Sampling and conditioning .....</b>	<b>2</b>
<b>6</b>	<b>Requirements .....</b>	<b>2</b>
<b>7</b>	<b>Specific requirements .....</b>	<b>4</b>
7.1	Height of upper .....	4
7.2	Footwear design .....	4
7.3	Resistance to the effects of molten metal .....	5
7.4	Resistance of upper to contact heat transmission .....	5
7.5	Burning behaviour .....	5
7.6	Heat insulation of sole complex .....	5
7.7	Surface shrinkage of leather .....	5
7.8	Footwear removal time .....	7
7.9	Innocuousness .....	7
<b>8</b>	<b>Marking .....</b>	<b>7</b>
<b>9</b>	<b>Information to be supplied by the manufacturer .....</b>	<b>8</b>
9.1	General .....	8
9.2	Information regarding perforation resistant insert .....	9
9.3	Electrical properties .....	10
9.3.1	Antistatic footwear .....	10
9.3.2	Electrically insulating footwear .....	10
9.4	Insocks .....	10
<b>Annex A (normative)</b>	<b>Test method for the resistance of footwear to the effects of large quantities of molten metal .....</b>	<b>11</b>
<b>Bibliography .....</b>		<b>15</b>