

# DIN EN ISO 14232-1:2017-08 (E)

## Thermal spraying - Powders - Part 1: Characterization and technical supply conditions (ISO 14232-1:2017)

---

<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</b>	<b>Scope</b> .....	<b>6</b>
<b>2</b>	<b>Normative references</b> .....	<b>6</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>6</b>
<b>4</b>	<b>Properties and property determination of powders for thermal spraying</b> .....	<b>6</b>
	4.1 Sampling and sample splitting.....	6
	4.2 Chemical composition.....	7
	4.3 Particle size range — Particle size distribution.....	7
	4.4 Manufacturing process — Particle shape.....	8
	4.5 Apparent density.....	8
	4.6 Flowability.....	8
	4.7 Microstructure.....	9
	4.8 Determination and composition of phases.....	9
	4.9 Summary.....	9
<b>5</b>	<b>Classification of powders</b> .....	<b>9</b>
<b>6</b>	<b>Powder identification and designation</b> .....	<b>9</b>
<b>7</b>	<b>Conditions of supply</b> .....	<b>9</b>
<b>8</b>	<b>Certificate</b> .....	<b>10</b>
<b>Annex A (informative) Powder shape and morphologies</b> .....		<b>11</b>
<b>Bibliography</b> .....		<b>14</b>