

# ISO 9211-1:2024-02 (E)

## Optics and photonics - Optical coatings - Part 1: Vocabulary

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<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>3.1</b>	<b>Basic terms and definitions .....</b>	<b>1</b>
<b>3.1.1</b>	<b>General terms .....</b>	<b>1</b>
<b>3.1.2</b>	<b>Terms for optical properties of a coated surface .....</b>	<b>2</b>
<b>3.1.3</b>	<b>Terms for polarization .....</b>	<b>4</b>
<b>3.1.4</b>	<b>Phase related terms .....</b>	<b>5</b>
<b>3.2</b>	<b>Designations of coatings by principal function .....</b>	<b>6</b>
<b>3.2.1</b>	<b>Reflecting function .....</b>	<b>6</b>
<b>3.2.2</b>	<b>Antireflecting function .....</b>	<b>6</b>
<b>3.2.3</b>	<b>Beam splitting function .....</b>	<b>6</b>
<b>3.2.4</b>	<b>Attenuating function .....</b>	<b>7</b>
<b>3.2.5</b>	<b>Bandpass or band rejection filtering function .....</b>	<b>7</b>
<b>3.2.6</b>	<b>Selecting or combining function .....</b>	<b>7</b>
<b>3.2.7</b>	<b>Polarizing function .....</b>	<b>7</b>
<b>3.2.8</b>	<b>Phase changing function .....</b>	<b>7</b>
<b>3.2.9</b>	<b>Absorbing function .....</b>	<b>8</b>
<b>3.2.10</b>	<b>Supplementary function .....</b>	<b>8</b>
<b>3.3</b>	<b>Terms related to common coating imperfections .....</b>	<b>9</b>
<b>3.3.1</b>	<b>Point-like imperfections .....</b>	<b>9</b>
<b>3.3.2</b>	<b>Line-like imperfections .....</b>	<b>9</b>
<b>3.3.3</b>	<b>Area-like imperfections .....</b>	<b>10</b>
<b>3.3.4</b>	<b>Volume-like imperfections .....</b>	<b>10</b>
<b>Annex A (informative)</b>	<b>Micrographs of common types of coating imperfections .....</b>	<b>11</b>
<b>Bibliography .....</b>		<b>20</b>