

# ISO 19403-7:2024-10 (E)

## Paints and varnishes - Wettability - Part 7: Measurement of the dynamic contact angles and the roll-off angle on a tilt stage

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>iv</b>
<b>Introduction</b> .....		<b>v</b>
<b>1 Scope</b> .....		<b>1</b>
<b>2 Normative references</b> .....		<b>1</b>
<b>3 Terms and definitions</b> .....		<b>1</b>
<b>4 Principle</b> .....		<b>2</b>
<b>5 Apparatus and materials</b> .....		<b>2</b>
<b>6 Sampling</b> .....		<b>4</b>
<b>7 Procedure</b> .....		<b>4</b>
7.1 General for measuring the roll-off angle.....		4
7.1.1 Setting up the contact angle measuring system.....		4
7.1.2 Test conditions.....		4
7.1.3 Conditioning of the test panels.....		4
7.2 Measurement.....		5
7.2.1 General.....		5
7.2.2 Application of the drop.....		5
7.2.3 Determination of the roll-off angle.....		6
<b>8 Test report</b> .....		<b>8</b>
<b>Annex A (informative) Notes on sampling and treatment of test specimens</b> .....		<b>10</b>
<b>Annex B (informative) Factors influencing the roll-off angle</b> .....		<b>11</b>
<b>Bibliography</b> .....		<b>13</b>