

DIN EN ISO 19403-7:2025-01 (E)

Paints and varnishes - Wettability - Part 7: Measurement of the dynamic contact angles and the roll-off angle on a tilt stage (ISO 19403-7:2024)

| Contents | | Page |
|--|---|-------------|
| European foreword | | 3 |
| Foreword | | 4 |
| Introduction | | 5 |
| 1 | Scope | 6 |
| 2 | Normative references | 6 |
| 3 | Terms and definitions | 6 |
| 4 | Principle | 7 |
| 5 | Apparatus and materials | 7 |
| 6 | Sampling | 9 |
| 7 | Procedure | 9 |
| 7.1 | General for measuring the roll-off angle | 9 |
| 7.1.1 | Setting up the contact angle measuring system | 9 |
| 7.1.2 | Test conditions | 9 |
| 7.1.3 | Conditioning of the test panels | 9 |
| 7.2 | Measurement | 10 |
| 7.2.1 | General | 10 |
| 7.2.2 | Application of the drop | 10 |
| 7.2.3 | Determination of the roll-off angle | 11 |
| 8 | Test report | 13 |
| Annex A (informative) Notes on sampling and treatment of test specimens | | 15 |
| Annex B (informative) Factors influencing the roll-off angle | | 16 |
| Bibliography | | 18 |