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**Paints and varnishes — Wettability —  
Part 1:  
Vocabulary and general principles**

*Peintures et vernis — Mouillabilité —*

*Partie 1: Vocabulaire et principes généraux*





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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 139, *Paints and varnishes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 19403-1:2017), which has been technically revised.

The main changes are as follows:

- in the title, "Terminology" has been changed to "Vocabulary";
- text from the Scope has been moved to the Introduction;
- [3.1.5](#), [3.1.7](#), [3.1.8](#) and [3.1.9](#) have been slightly modified;
- the following terms and definitions have been added: hydrophobic, superhydrophobic, hydrophilic, superhydrophilic and superhydrophobic coating;
- Clause 4 has been moved to [Annex A](#);
- [Figure 1](#) and [Figure A.1](#) have been updated;
- the designation of the X-axis in [Figure A.2](#) has been corrected;
- the derivation of [Formula \(A.4\)](#) has been improved;
- [Formula \(A.6\)](#) has been corrected;
- bibliographic entries [1] and [12] have been added and cross-references updated.

A list of all parts in the ISO 19403 series can be found on the ISO website.