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**Paints and varnishes — Practical  
determination of non-volatile and  
volatile matter content during  
application**

*Peintures et vernis — Détermination pratique de la matière non  
volatile et de la matière volatile pendant l'application*

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## Foreword

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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*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

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## Introduction

When applying coatings, the size or the size distribution of the generated drops is of great importance for the application result. By varying the application parameters, such as spraying energy and the rate of flow of the coating material as well as the technical properties such as solvent composition and rheological flow performance, the quality of the application result can be controlled. Also, climatic conditions during the application (e.g. temperature, relative humidity, and air falling speed) highly influence the result. By determining the non-volatile matter after application or after intermediate or final drying, it is possible to characterize the wet or dry application result and, consequently, to indirectly refer to the generated drop size distribution and the solvent emission during the application. By means of the calculated volatile matter, the sufficient intermediate drying of the respective coating is determined before applying an additional coating.

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