

ISO 3233-3:2015-05 (E)

Paints and varnishes - Determination of the percentage volume of non-volatile matter - Part 3: Determination by calculation from the non-volatile-matter content determined in accordance with ISO 3251, the density of the coating material and the density of the solvent in the coating material

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	2
5	Procedure	2
5.1	Determination of the theoretical dry film density	2
5.2	Determination of the density	3
5.3	Determination of film thickness	3
6	Calculation	3
6.1	Calculation of the theoretical dry film density	3
6.2	Calculation of the non-volatile matter by volume using the theoretical dry film density	4
6.3	Determination of the theoretical spreading rate	4
7	Precision	5
7.1	Repeatability limit	5
7.2	Reproducibility limit	5
8	Test report	5
Annex A (informative) Derivation of the theoretical dry film thickness		6
Annex B (informative) Derivation of the theoretical spreading rate		8
Annex C (informative) Example for the calculation of the theoretical spreading rate		11
Annex D (informative) Overview on the existing methods for determination of non-volatile-matter content and volume of non-volatile matter		12
Bibliography		14