ISO 28199-1:2021 (E)

Paints and varnishes — Evaluation of properties of coating systems related to the spray application process — Part 1: Vocabulary and preparation of test panels

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Principle

5 Apparatus

6 Calibration

7 Sampling

8 Test panels

- 8.1 Substrate
- 8.2 Preparation of the test panel
- 8.3 Coating of the test panel
- 8.3.1 General
- 8.3.2 Version A (perforated panel)
- 8.3.3 Version B (non-perforated panel)
- 8.3.3.1 Version B1 with reference strips
- 8.3.3.2 Version B2 without reference strips
- 8.4 Film thickness

9 Procedure

- 9.1 Conditioning the test panels
- 9.2 Test conditions
- 9.3 Number of test panels to be measured
- 9.4 Test
- 9.4.1 Measurement pattern
- 9.4.2 Film thickness
- 9.4.3 Colour
- 9.4.4 Surface texture
- 9.4.5 Mottling
- 9.4.6 Gloss

10 Evaluation

11 Precision

12 Test report

Annex A (informative) Examples of suitable application parameters

- A.1 Single-colour water-based paint (constant film thickness) — Clear coat (wedge)
- A.2 Single-colour water-based paint (wedge) — Clear coat (constant film thickness)
- A.3 Metallic and pearl water-based paint (wedge) — Clear coat (constant film thickness)
- A.4 Metallic and pearl water-based paint (constant film thickness) — Clear coat (wedge)
- A.5 Applications with high-speed rotation

Page count: 22