INTERNATIONAL ISO

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Paints and varnishes — Determination of the scratch resistance of a coating system using a laboratory-scale car-wash

Peintures et vernis — Détermination de la résistance à la rayure d'un système de peinture sur un poste de lavage automobile de laboratoire

Reference number
ISO 20566:2013(E)

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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 20566 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 20566:2005), which has been technically revised. The main changes are:

a) a “terms and definitions” clause has been added, defining the terms mar, scratch, double pass, test area and reflow effect;

b) tolerances have been added to all key numerical values, such as dimensions;

c) the spread of the spray jet has been changed from 60° to 65°;

d) the thickness of the test panels has been specified;

e) the test procedure has been described in more detail;

f) a visual examination of the test panels has been added.

Introduction

With this test procedure, it is important to note that the test results will not, over time, remain constant, as a result of changes to the brush material. As the brush ages, the test will become more severe. As a result, the test procedure is suitable only for comparative tests carried out at any one time and using relatively short runs. Readings obtained using equipment which has accumulated different total numbers of operating hours are not comparable with each other.