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Paints and varnishes - Cross-cut test

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Table of Contents

Foreword...	3
1 Scope...	6
2 Normative references...	6
3 Terms and definitions...	7
4 Principle...	7
5 Apparatus...	7
6 Sampling...	13
7 Test specimen...	13
8 Procedure...	13
9 Evaluation and expression of results...	15
10 Designation of the test result...	16
11 Precision...	17
12 Test report...	18

Foreword

This document is drafted in accordance with GB/T 1.1-2020 "Directives for standardization - Part 1. Rules for the structure and drafting of standardizing documents".

This document replaces GB/T 9286-1998 "Paints and varnishes - Cross cut test for films". Compared with GB/T 9286-1998, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Replace "steel" with "metal" and "plastic" with "plaster" (see Clause 1; 1.3 of the 1998 edition);
- Change the "Normative references" (see Clause 2; Clause 2 of the 1998 edition);
- Delete "Information to be supplemented" (see Clause 3 of the 1998 edition);
- Add "Terms and definitions" (see Clause 3);
- Add "Principle" (see Clause 4);

- Add "General" (see 5.1);
- Add "General requirements" for cutting tool (see 5.2.1); change the requirements for "Single-blade cutting tools" (see 5.2.2; 4.1 of the 1998 edition), the requirements for "Multi-blade cutting tools" (see 5.2.3; 4.1 of the 1998 edition), and the requirements for "Guiding and spacing edges" (see 5.3; 4.2 of the 1998 edition);
- Delete "soft brush" (see 4.3 of the 1998 edition) and "transparent pressure-sensitive adhesive tape" (see 4.4 of the 1998 edition);
- Change "Examples of single-blade cutting tools" (see Figure 1; Figure 1 of the 1998 edition), "Examples of multi-blade cutting tools" (see Figure 2; Figure 1 of the 1998 edition), and "Examples of guiding and spacing edges" (see Figure 4; Figure 2 of the 1998 edition); add "Motor-driven apparatus" (see Figure 3);
- Change "Sampling" (see Clause 6; Clause 5 of the 1998 edition);
- Delete "Treatment and painting of test panels" (see 6.2 of the 1998 edition) and "Drying of samples" (see 6.3 of the 1998 edition);
- Add examples of hard substrates and soft substrates (see 8.1.4) and the requirements for the number of routine tests (see 8.1.5); change the requirements of "Cutting the coating using the manual procedure" (see 8.2;
7.2 of the 1998 edition); change the requirements of "Cutting the coating
using a motor-driven tool" (see 8.3; 7.3 of the 1998 edition);
- Change the graphical description for classification of test results (see Table 1; Table 1 of the 1998 edition);
- Add "Designation of the test result" (see Clause 10);
- Add "Precision" (see Clause 11);
- Change the content of "Test report" (see Clause 12; Clause 9 of the 1998 edition);
- Change the informative annex (see Annex A; Annex A of the 1998 edition).

This document, using translation method, is identical to ISO 2409.2020 "Paints and varnishes - Cross-cut test".

China's documents which have a consistent correspondence with the international documents normatively referenced in this document are as follows.

GB/T 3186-2006 Paints, varnishes and raw materials for paints and varnishes - Sampling (ISO 15528.2000, IDT);

GB/T 5206-2015 Paints and varnishes - Terms and definitions (ISO 4618.2014, IDT);

GB/T 13452.2-2008 Paints and varnishes - Determination of film thickness (ISO 2808.2007, IDT);

GB/T 20777-2006 Paints and varnishes - Examination and preparation of samples for testing (ISO 1513.1992, IDT);

GB/T 37356-2019 Paints and varnishes - Lighting and procedure for visual assessments of coatings (ISO 13076.2012, IDT).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority of this document shall not be held responsible for identifying any or all such patent rights.

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5 on Paints & Pigments of Standardization Administration of China (SAC/TC 5).

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The previous releases of this document and the documents it replaces are as follows.

- It was first issued as GB/T 9286-1988 in 1988. It was revised for the first time in 1998;
- This is the second revision.

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1 Scope