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Standard Test Method for Edge Corner Coverage of Powder Coatings¹

This standard is issued under the fixed designation D 2967; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

¹ This test method is under the jurisdiction of ASTM Committee D01 on Paint and Related Coatings, Materials, and Applications and is the direct responsibility of Subcommittee D01.51 on Powder Coatings.

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1. Scope *

1.1 This test method covers the determination of the ratio of edge corner thickness (see 3.1.3) to face thickness (see 3.1.4) of powdered plastic coatings applied to a specific face thickness by dipping preheated square bars into aerated powder and curing the coating using predetermined conditions.

NOTE 1—The property of corner coverage has also been referred to as “edge coverage,” though the latter is not recommended. There are widespread misunderstandings and expectations relative to the term “edge coverage.” This test is performed on a steel bar having square corners and the results do not necessarily relate to edges that are sharper, that is, burrs. A coating that has measurable corner coverage may still not protect sharper edges from corrosion or provide the electrical insulation needed in some applications.

1.2 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

1.3 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

2. Referenced Documents

2.1 *ASTM Standards:*

D 374 Test Methods for Thickness of Solid Electrical Insulation²

² *Annual Book of ASTM Standards*, Vol 10.01.

***A Summary of Changes section appears at the end of this standard.**