UL 1332

STANDARD FOR SAFETY

Organic Coatings for Steel Enclosures for Outdoor Use Electrical Equipment

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UL Standard for Safety for Organic Coatings for Steel Enclosures for Outdoor Use Electrical Equipment, UL 1332

Fifth Edition, Dated February 12, 2016

Summary of Topics

This reaffirmation of ANSI/UL 1332 dated November 8, 2024 is being issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The requirements are substantially in accordance with Proposal(s) on this subject dated September 20, 2024.

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Electrical Equipment

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Fifth Edition

February 12, 2016

This ANSI/UL Standard for Safety consists of the Fifth Edition including revisions through November 8, 2024.

The most recent designation of ANSI/UL 1332 as a Reaffirmed American National Standard (ANS) occurred on November 8, 2024. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to ULSE at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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INTRODUCTION

1 Scope

1.1 These requirements cover tests of opaque and clear organic coatings intended for application to exterior and interior surfaces of steel enclosures of outdoor-use electrical equipment for protection of the metal against atmospheric corrosion.

1.2 These requirements cover organic coatings consisting of one or more coats and their system of application to steel or zinc-coated steel with specified pretreatment, application, bake or cure schedule, and minimum dry-film thickness.

1.3 The final acceptance of a coating is dependent upon its use in a complete product that complies with the requirements in the standard applicable to such a product.

1.4 The requirements may be applied to other organic or nonmetallic coatings if found to be appropriate.

1.5 The flammability or toxicity risks associated with the coating materials in any form, or the acceptability of the materials for uses other than indicated, are not within the scope of these requirements.

2 Glossary

2.1 For the purpose of this standard, the following definitions apply.

2.2 APPLICATION METHOD – The procedure and equipment employed in applying the coating, which may also include parameters of equipment operation.

2.3 BAKE OR CURE SCHEDULE – The time-temperature conditions used following the application of an organic coating.

2.4 ORGANIC COATING – A coating containing drying oils, resins, and setting or hardening agents such as reacting chemicals and catalysts or resins.

2.5 PRETREATMENT – The cleaning or chemical process, such as iron or zinc phosphating, used on the metal surface prior to application of the organic coating.

2.6 RESIN – The polymeric portion of an organic coating system.

2.7 SUBSTRATE – The specific metal surface to which the organic coating is to be applied.

2.8 WEEPING – Corrosion discoloration (e.g. yellow, brown, or orange) condensation droplets of moisture on the coating surface.

3 Units of Measurement

3.1 If a value for measurement is followed by a value in other units in parentheses, the second value may be only approximate. The first stated value is the requirement.

4 References

4.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

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