

UL 2085

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Insulated Aboveground Tanks for Flammable and Combustible Liquids



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December 27, 1994

Standard for

Insulated Aboveground Tanks for Flammable and Combustible Liquids

UL 2085, First Edition

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THIS EDITION OF THE STANDARD IS NOW IN EFFECT.

Revised and/or additional pages may be issued from time to time.

Underwriters Laboratories Inc.
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UL Standard for Safety
for

Insulated Aboveground Tanks for Flammable and Combustible Liquids, UL 2085

First Edition, Dated December 27, 1994

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DECEMBER 27, 1994

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First Edition

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An effective date included as a note immediately following certain requirements is one established by Underwriters Laboratories Inc.

Revisions of this standard will be made by issuing revised or additional pages bearing their date of issue. A UL Standard is current only if it incorporates the most recently adopted revisions, all of which are itemized on the transmittal notice that accompanies the latest published set of revision pages.

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FOREWORD

A. This Standard contains basic requirements for products covered by Underwriters Laboratories Inc. (UL) under its Follow-Up Service for this category within the limitations given below and in the Scope section of this Standard. These requirements are based upon sound engineering principles, research, records of tests and field experience, and an appreciation of the problems of manufacture, installation, and use derived from consultation with and information obtained from manufacturers, users, inspection authorities, and others having specialized experience. They are subject to revision as further experience and investigation may show is necessary or desirable.

B. The observance of the requirements of this Standard by a manufacturer is one of the conditions of the continued coverage of the manufacturer's product.

C. A product which complies with the text of this Standard will not necessarily be judged to comply with the Standard if, when examined and tested, it is found to have other features which impair the level of safety contemplated by these requirements.

D. A product employing materials or having forms of construction differing from those detailed in the requirements of this Standard may be examined and tested according to the intent of the requirements and, if found to be substantially equivalent, may be judged to comply with the Standard.

E. UL, in performing its functions in accordance with its objectives, does not assume or undertake to discharge any responsibility of the manufacturer or any other party. The opinions and findings of UL represent its professional judgment given with due consideration to the necessary limitations of practical operation and state of the art at the time the Standard is processed. UL shall not be responsible to anyone for the use of or reliance upon this Standard by anyone. UL shall not incur any obligation or liability for damages, including consequential damages, arising out of or in connection with the use, interpretation of, or reliance upon this Standard.

F. Many tests required by the Standards of UL are inherently hazardous and adequate safeguards for personnel and property shall be employed in conducting such tests.

INTRODUCTION

1 Scope

1.1 These requirements cover insulated aboveground, atmospheric tanks intended for aboveground storage of noncorrosive, stable, flammable, or combustible liquids that have a specific gravity not exceeding that of water.

1.2 These tank constructions include an insulation system which is intended to reduce the heat transferred to the primary tank if the construction is exposed to a hydrocarbon pool fire.

1.3 A tank shall be a Fire Resistant Tank, a Protected Tank, or both.

1.4 Fire Resistant Tanks are intended for installation and use in accordance with the Flammable and Combustible Liquids Code, NFPA 30; the Automotive and Marine Service Station Code, NFPA 30A; and the Standard for Installation of Oil Burning Equipment, NFPA 31.

1.5 Protected Tanks are intended for installation and use in accordance with the Uniform Fire Code, published by the International Fire Code Institute.

1.6 Tanks covered by these requirements are fabricated, inspected, and tested for leakage before shipment from the factory as completely assembled units.

1.7 These requirements and tests are not intended to be interpreted to determine a tank's acceptability for use after fire exposure.

1.8 A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements in this standard, and that involve a risk of fire, electric shock, or injury to persons shall be evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of this standard. A product whose features, characteristics, components, materials, or systems conflict with specific requirements or provisions of this standard cannot be judged to comply with this standard. Where considered appropriate, revision of requirements shall be proposed and adopted in conformance with the methods employed for development, revision, and implementation of this standard.

2 General

2.1 Components

2.1.1 Except as indicated in 2.1.2, a component of a product covered by this standard shall comply with the requirements for that component. See Appendix A for a list of standards covering components generally used in the products covered by this standard.

2.1.2 A component need not comply with a specific requirement that:

- a) Involves a feature or characteristic not needed in the application of the component in the product covered by this standard, or
- b) Is superseded by a requirement in this standard.