



Member of the FM Global Group

Approval Standard for Oily Waste Cans and Containers for Combustible Waste

Class Number 6920/6921

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Foreword

The FM Approvals certification mark is intended to verify that the products and services described will meet stated conditions of performance, safety and quality useful to the ends of property conservation. The purpose of Approval Standards is to present the criteria for FM Approval of various types of products and services, as guidance for FM Approvals personnel, manufacturers, users and authorities having jurisdiction.

Products submitted for certification by FM Approvals shall demonstrate that they meet the intent of the Approval Standard, and that quality control in manufacturing shall ensure a consistently uniform and reliable product. Approval Standards strive to be performance-oriented. They are intended to facilitate technological development.

For examining equipment, materials and services, Approval Standards:

- a) must be useful to the ends of property conservation by preventing, limiting or not causing damage under the conditions stated by the Approval listing; and
- b) must be readily identifiable.

Continuance of Approval and listing depends on compliance with the Approval Agreement, satisfactory performance in the field, on successful re-examinations of equipment, materials, and services as appropriate, and on periodic follow-up audits of the manufacturing facility.

FM Approvals LLC reserves the right in its sole judgment to change or revise its standards, criteria, methods, or procedures.

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1 INTRODUCTION

1.1 Purpose

- 1.1.1 This standard states Approval requirements for cans for temporarily holding oily waste or similar materials and for containers for combustible waste.
- 1.1.2 Approval criteria may include, but are not limited to, performance requirements, marking requirements, examination of manufacturing facilities, audit of quality assurance procedures, and a follow-up program.

1.2 Scope

- 1.2.1 This standard applies to any component intended to or for use in holding (temporarily) oily waste products or similar products.
- 1.2.2 This standard also applies to portable containers used for the temporary storage of Class A combustible (wood, paper, textile, etc.) waste material free of grease, oil, solvents, or other flammable liquids. The design of these containers is intended to isolate the discarded waste from the building occupancy so that a fire within the container will not communicate to the surrounding area.
- 1.2.3 Approval of oily waste cans and/or containers for combustible waste can be tested jointly or under separate Approval programs.

1.3 Basis for Requirements

- 1.3.1 The requirements of this standard are based on experience, research and testing, and/or the standards of other organizations. The advice of manufacturers, users, trade associations, jurisdictions and/or loss control specialists was also considered.
- 1.3.2 The requirements of this standard reflect tests and practices used to examine characteristics of Oily Waste Cans and Containers for Combustible Waste for the purpose of obtaining Approval. Oily Waste Cans and Containers for Combustible Waste having characteristics not anticipated by this standard may be FM Approved if performance equal, or superior, to that required by this Standard is demonstrated, or if the intent of the standard is met. Alternatively, Oily Waste Cans and Containers for Combustible Waste which meet all of the requirements identified in this Standard may not be FM Approved if other conditions which adversely affect performance exist or if the intent of this standard is not met.

1.4 Basis for Approval

Approval is based upon satisfactory evaluation of the product and the manufacturer in the following major areas:

- 1.4.1 Examination and tests on production samples shall be performed to evaluate
 - the suitability of the product;
 - the performance of the product as specified by the manufacturer and required by FM Approvals; and as far as practical,
 - the durability and reliability of the product.

- 1.4.2 An examination of the manufacturing facilities and audit of quality control procedures is made to evaluate the manufacturer's ability to consistently produce the product which is examined and tested, and the marking procedures used to identify the product. These examinations may be repeated as part of FM Approvals' product follow-up program.

1.5 Basis for Continued Approval

Continued Approval is based upon:

- production or availability of the product as currently FM Approved;
- the continued use of acceptable quality assurance procedures;
- satisfactory field experience;
- compliance with the terms stipulated in the Approval report;
- satisfactory re-examination of production samples for continued conformity to requirements; and
- satisfactory Surveillance Audits conducted as part of FM Approvals' product follow-up program.

Also, as a condition of retaining Approval, manufacturers may not change a product or service without prior authorization by FM Approvals.

1.6 Effective Date

The effective date of an Approval standard mandates that all products tested for Approval after the effective date shall satisfy the requirements of that standard. Products FM Approved under a previous edition shall comply with the new version by the effective date or else forfeit Approval.

The effective date of this standard is October 31, 2014 for compliance with all requirements.

1.7 System of Units

Units of measurement used in this Standard are United States (U.S.) customary units. These are followed by their arithmetic equivalents in International System (SI) units, enclosed in parentheses. The first value stated shall be regarded as the requirement. The converted equivalent value may be approximate. Conversion of U.S. customary units is in accordance with ANSI/IEEE/ASTM SI 10.

1.8 Normative References

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the cited edition applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

ANSI/IEEE/ASTM SI 10, *American National Standard for Metric Practice*

ISO/IEC 17025, *General Requirements for the Competence of Testing and Calibration Laboratories*

FM Approvals Test Procedure Class 6920/6921: *Test Method of Water Leakage Resistance of Oily Waste Cans*

FM Approvals Test Procedure Class 6920/6921: *Test Method of Stability Resistance for Oily Waste Cans and Containers for Combustible Waste*

FM Approvals Test Procedure Class 6920/6921: *Test Method for Fire Exposure for Oily Waste Cans*

FM Approvals Test Procedure Class 6920/6921: *Test Method for Handle Strength for Oily Waste Cans*

FM Approvals Test Procedure Class 6920/6921: *Test Method for Impact Strength for Oily Waste Cans*

FM Approvals Test Procedure Class 6920/6921: *Test Method of Fire Exposure for Containers for Combustible Waste*

FM Approvals Test Procedure Class 6920/6921: *Evaluation Method of Adverse Conditions for Containers for Combustible Waste*

FM Approvals Test Procedure Class 6920/6921: *Test Method for Impact Testing for Containers for Combustible Waste*

1.9 Definitions

For purposes of this standard, the following terms apply:

Oily Waste Can – A container to temporarily store oily rags and other absorbing materials. The use of oily waste can reduces the risk of fire caused by spontaneous combustion.

Container for Combustible Waste – a receptacle designed to cut off the air supply and extinguish flames of any combustible substance. The receptacle can be supplied with or without a rigid or pliable liner.

Drum covers/lid (for containers for combustible waste only) – Re-moveable covers to convert 30 & 55 gallon (114 & 208 L) steel drums into fire-safe receptacles for combustible waste.

Fusible link - The fusible type link consists of two nickel alloy or steel plates joined together by a solder alloy. The solder melts at a predetermined temperature allowing the plates to separate