

American National Standard



ENVIRONMENTAL INDUSTRY A S S O C I A T I O N S

*for Equipment Technology and Operations for Wastes
and Recyclable Materials:*

*Stationary Compactors- Safety Requirements for
Manufacturing and Reconstruction*



WASTE EQUIPMENT TECHNOLOGY ASSOCIATION
A PART OF THE
ENVIRONMENTAL INDUSTRY ASSOCIATIONS

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AMERICAN NATIONAL STANDARD

ANSI Z245.21-2013

American National Standard
for Equipment Technology and Operations
for Wastes and Recyclable Materials

**Stationary Compactors —
Safety Requirements for Manufacturing
and Reconstruction**

Secretariat

Environmental Industry Associations

Approved May 1, 2013

American National Standards Institute, Inc.

American National Standard

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Table of Contents

SECTION.....	PAGE
Foreword	
Introduction.....	
1 Scope.....	
2 Normative references	
3 Definitions.....	
4 Construction.....	
4.1 General	
4.2 Component requirements	
4.3 Construction requirements, tests and evaluation criteria.....	
5 Safeguards and features	
5.1 Access covers.....	
5.2 Service openings	
5.3 Compactor-container attaching mechanism	
5.4 Controls.....	
5.5 Operating switches and sensors.....	
5.6 Security switch.....	
5.7 Emergency controls	
5.8 Interlocks.....	
5.9 Guarding	
5.10 Compactor containers.....	
5.11 Container/cart-lifting systems	
5.12 Continuously operating and unattended stationary compactors with automatic start-up – additional safety features.....	
5.13 Machines that start upon door closure.....	
6 Markings	
6.1 General	
6.2 Marking of permanently connected equipment.....	
6.3 Marking of cord connected equipment	
6.4 Marking of components	
6.5 Safety signs: caution, warning and danger markings.....	
6.6 Permanence of markings.....	
7 Instructions.....	
7.1 General	
7.2 Installation and operating instructions	
APPENDIXES	
A Bibliography (informative)	
A.1 General	
A.2 U.S. Government Health & Safety Regulations.....	
A.3 Standards for components.....	
A.4 Other industry standards	

ANSI Z245.21-2013

B Construction requirements (normative).....

- B.1** General
- B.2** Mechanical enclosures and guards
- B.3** Mechanical enclosures and guards
- B.4** Rotating and moving parts
- B.5** Hydraulic systems
- B.6** Hydraulic system control valves
- B.7** Hydraulic system pressure relief.....
- B.8** Stability
- B.9** Structural integrity

C Electrical requirements (normative)

- C.1** General
- C.2** Electrical enclosures
- C.3** Access to uninsulated live parts and film-coated wire
- C.4** Electrical components and assembly
- C.5** Permanently connected equipment
- C.6** Current-carrying parts
- C.7** Insulating material.....
- C.8** Internal wiring.....
- C.9** Separation of circuits
- C.10** Grounding
- C.11** Heating elements
- C.12** Motors
- C.13** Overload- or thermal-protective devices.....
- C.14** Switches, controls and interlocks.....
- C.15** Spacings

D Tests for evaluation of equipment and performance (normative).....

- D.1** Starting current test.....
- D.2** Leakage current test
- D.3** Temperature tests.....
- D.4** Dielectric voltage-withstand test
- D.5** Strain-relief test.....
- D.6** Push-back relief test
- D.7** Stability test.....
- D.8** Rotating or moving members test.....

E Manufacturing and production tests (normative)

- E.1** Dielectric voltage-withstand test
- E.2** Grounding continuity test
- E.3** Hydraulic system test.....

F Compactor safety signs (informative)

FIGURES

- 1** Apartment stationary compactor.....
- 2** Commercial/industrial stationary.....
- 3** Self-contained compactor-container
- 4** Continuously operating stationary compactor (as used in typical waste processing facility operations)
- 5** Typical transport equipment for compact-containers.....
- 6** Guard or loading hopper – minimum loading height for stationary compactor.....

- C1** Articulate probe with web stop
- C2** Probe for moving parts and uninsulated live parts

C3 Probe for film-coated wire.....

C4 Grounding symbol.....

D1 Typical leakage-current measurement circuits

D2 Measurement instrument for reaction (leakage) current.....

TABLES

1 Mechanical construction requirements and performance evaluation criteria

2 Electrical construction requirements and performance evaluation criteria

3 Outlet-box marking.....

C1 Minimum required distance from an opening to a part that involves a risk of electric shock

C2 Acceptable flexible cords

C3 Rating of heating element.....

C4 Maximum rating or setting of overload protective device

C5 Spacings at other than filed wiring terminals

C6 Spacings at wiring terminals

D1 Maximum temperature rises

D2 Maximum surface temperatures

E1 Production line test conditions

ANSI Z245.21-2013

FOREWORD (This Foreword is not a part of American National Standard Z245.21 – 2013)

This American National Standard is applicable to the safety requirements for the design, construction, and reconstruction of commercial stationary compactors used in apartment, institutional, commercial and industrial locations, including transfer stations and recycling facilities. A companion standard, ANSI Z245.2 – 2013 establishes safety requirements for the installation, maintenance, repair, modification, and operation of commercial stationary compacting equipment. This standard revises and replaces ANSI Z245.21-2008. This American National Standard does not apply to compactors commonly referred to as domestic or household compactor appliances. Stationary compactors also have been addressed previously in ANSI Z245.2-1992 and ANSI Z245.1 (1978 and 1984 editions), *Mobile Refuse Collection and Compaction Equipment, Safety Requirements*. For mobile collecting and compacting equipment, refer to ANSI Z245.1.

The effective date of all requirements of this standard shall be 12 months after the approval date of this standard by the American National Standards Institute, Inc. For all stationary compacting equipment manufactured prior to 12 months after the approval date of this standard, please refer to the previous editions of the ANSI Z245.2 standard.

Inquiries, requests for interpretation, and suggestions for improvement of this standard should be directed to the Secretary, Accredited Standards Committee Z245, c/o Environmental Industry Associations, 4301 Connecticut Avenue, NW, Suite 300, Washington, DC 20008.

This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee on Equipment Technology and Operations for Wastes and Recyclable Materials, Z245. Committee approval of this standard does not necessarily imply that all members voted for its approval. At the time it approved this standard, the Z245 Committee had the following members:

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This is a preview of "ANSI Z245.21-2013". [Click here to purchase the full version from the ANSI store.](#)

American National Standard for Equipment Technology and Operations for Wastes and Recyclable Materials—

Stationary Compactors — Safety Requirements for Manufacturing and Reconstruction

Introduction

This standard was developed by Accredited Standards Committee Z245 Subcommittee 2 on Stationary Compactors and approved by American National Standards Institute Accredited Standards Committee Z245. Certain portions of this material have been reproduced, with permission, from Underwriters Laboratories Inc. (UL) draft standard 1237, *Commercial and Industrial Waste Compactors and Balers*. The effort and support of UL and the 1237 Standards Technical Panel are gratefully acknowledged.

This standard revises the stationary compactor safety requirements found in ANSI Z245.21-2008. The complementary safety requirements for users/operators, installers and maintenance/repair individuals can be found in ANSI Z245.2-2013.

The requirements contained in this standard pertain to the designers, owners, operators, employees and customers of waste transfer stations.

Where transfer stations and material recovery facilities are co-located, the material storage requirements in Z245.41 shall apply.

Exceptions and notes contained in the standard apply to the clause or sub-clause in which they are contained or to which they reference. Exceptions pertain to normative requirements. Notes are informative and provide guidance for the evaluation of a normative requirement.

The units of distance measurement used in this standard are in the inch-pound system. When a value for measurement is followed by a value in other units in parentheses (metric) the second value is only approximate. The first value is the requirement.

1. Scope

1.1 This standard revises requirements to minimize the risk of fire, electrical shock and injury to persons during operation and maintenance of stationary compacting equipment for use with wastes and recyclable materials by commercial businesses, apartment buildings, industrial plants, waste processing facilities, waste disposal and transfer industries, and recycling facilities.

1.2 The requirements of this standard apply to stationary compactors rated at 600 volts or less, for outdoor or indoor use, and are employed in accordance with the manufacturer's written installation, operation, and maintenance instructions and procedures.

1.3 This standard does not apply to compactors intended for use in private homes.

1.4 This standard does not apply to mobile landfill compactors and compactor-type equipment that is operational when permanently mounted on trucks or other vehicles.