



AMERICAN NATIONAL STANDARD

ANSI/ASSE A10.24 – 2014
Roofing – Safety Requirements for
Low-Sloped Roofs

American National Standard
for Construction and
Demolition Operations

ANSI/ASSE A10.24 – 2014



AMERICAN SOCIETY OF
SAFETY ENGINEERS

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ANSI®
ANSI/ASSE A10.24 – 2014

American National Standard
Construction and Demolition Operations
Roofing – Safety Requirements for Low-Sloped Roofs

Secretariat

American Society of Safety Engineers
1800 East Oakton Street
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Foreword (This Foreword is not a part of American National Standard A10.24-2014.)

This standard is one of a series of safety standards that have been formulated by the Accredited Standards Committee on Safety in Construction and Demolition Operations, A10. It is expected that the standards in the A10 series will find a major application in industry, serving as a guide to contractors, labor, and equipment manufacturers. For the convenience of users, a list of existing and proposed standards in the A10 series for Safety Requirements in Construction and Demolition Operations follows.

- A10.1 Pre-Project & Pre-Task Safety & Health Planning
- A10.2 Safety, Health and Environmental Training (under development)
- A10.3 Powder-Actuated Fastening Systems
- A10.4 Personnel Hoists and Employee Elevators
- A10.5 Material Hoists
- A10.6 Demolition Operations
- A10.7 Transportation, Storage, Handling and Use of Commercial Explosives and Blasting Agents
- A10.8 Scaffolding
- A10.9 Concrete and Masonry Construction
- A10.10 Temporary and Portable Space Heating Devices
- A10.11 Personnel Nets
- A10.12 Excavation
- A10.13 Steel Erection
- A10.15 Dredging
- A10.16 Tunnels, Shafts and Caissons
- A10.17 Safe Operating Practices for Hot Mix Asphalt (HMA) Construction
- A10.18 Temporary Roof and Floor Holes, Wall Openings, Stairways and Other Unprotected Edges
- A10.19 Pile Installation and Extraction Operations
- A10.20 Ceramic Tile, Terrazzo, and Marble Work
- A10.21 Safe Construction and Demolition of Wind Generation/Turbine Facilities (under development)
- A10.22 Rope-Guided and Non-Guided Workers' Hoists
- A10.23 Safety Requirements for the Installation of Drilled Shafts
- A10.24 Roofing – Safety Requirements for Low-Sloped Roofs
- A10.25 Sanitation in Construction
- A10.26 Emergency Procedures for Construction Sites
- A10.27 Hot Mix Asphalt Facilities
- A10.28 Work Platforms Suspended from Cranes or Derricks
- A10.29 Aerial Platforms in Construction (under development)
- A10.31 Digger-Derricks
- A10.32 Personal Fall Protection Used in Construction and Demolition Operations
- A10.33 Safety and Health Program Requirements for Multi-Employer Projects
- A10.34 Public Protection
- A10.37 Debris Nets
- A10.38 Basic Elements of a Program to Provide a Safe and Healthful Work Environment
- A10.39 Construction Safety and Health Audit Program
- A10.40 Reduction of Musculoskeletal Problems in Construction
- A10.41 Equipment Operator and Supervisor Qualifications and Responsibilities (under development)
- A10.42 Rigging Qualifications and Responsibilities in the Construction Industry
- A10.43 Confined Spaces in Construction (under development)
- A10.44 Lockout/Tagout in Construction
- A10.46 Hearing Loss Prevention

A10.47 Highway Construction Safety
A10.48 Communication Tower Erection (under development)
A10.49 Control of Health Hazards (under development)

One purpose of these standards is to serve as guides to governmental authorities having jurisdiction over subjects within the scope of the A10 Committee standards. If these standards are adopted for governmental use, the reference of other national codes or standards in individual volumes may be changed to refer to the corresponding regulations.

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AMERICAN NATIONAL STANDARD A10.24 ROOFING - SAFETY REQUIREMENTS FOR LOW-SLOPED ROOFS

1. GENERAL

1.1 Scope. This standard establishes safe operating practices for the installation, maintenance and removal of membrane roofing that is seamed or seamless on low-sloped roofs, which means the roof has a slope that is less than or equal to 4 in 12 (18°). These types of roofs include but are not necessarily limited to: hot and cold built-up roofing, single-ply roofing, spray polyurethane foam (SPF) roofing, liquid-type roofing (Hypalon®, polyurethane, etc.) and modified bitumens.

NOTE: This standard does not apply to roofs with slopes greater than 4 in 12 (18°). The materials that are normally installed on such roofs are composition or wood shingles, slate and tile products.

1.2 Application. The requirements of this standard apply to all situations encountered in the installation, maintenance and removal of seamed and seamless membrane roofing.

1.3 Exceptions. In cases of practical difficulties, unnecessary hardships or new developments, the authority having jurisdiction may grant exceptions to the literal requirements of this standard or permit the use of other devices or methods, but only when it is clearly evident that an equivalent degree of protection is thereby secured.

2. RELATED STANDARDS AND REFERENCES

2.1 Related American National Standards. The following ANSI standards are incorporated into in this document. All provisions of the following standards that are applicable to seamed and seamless membrane roofing shall be observed. When the following American National Standards

are superseded by a revision approved by the American National Standards Institute, Inc., the revision shall apply.

ANSI A14.1, *Safety Requirements for Portable Wooden Ladders*

ANSI A14.2, *Safety Requirements for Portable Metal Ladders*

ANSI A14.3, *Safety Requirements for Fixed Ladders*

ANSI A14.4, *Safety Requirements for Job-Made Wooden Ladders*

ANSI A14.5, *Safety Requirements for Portable Reinforced Plastic Ladders*

ANSI Z535.2, *Environmental and Facility Safety Signs*

ANSI/ASSE A10.3, *Safety Requirements for Powder-Actuated Fastening Systems*

ANSI/ASSE A10.8, *Scaffolding Safety Requirements*

ANSI/ASSE A10.11, *Personnel and Debris Nets*

ANSI/ASSE A10.18, *Safety Requirements for Temporary Floors, Holes, Wall Openings, Stairways and Other Unprotected Edges in Construction and Demolition Operations*

ANSI/ASSE A10.22, *Safety Requirements for Rope-Guided and Non-Guided Workers' Hoists*

ANSI/ASSE A10.25, *Sanitation in Construction*

ANSI/ASSE A10.32, *Personal Fall Protection Used in Construction and Demolition Operations*