



# AMERICAN NATIONAL STANDARD

*ANSI/ASSE A10.24-2006*  
*Roofing - Safety Requirements*  
*for Low-Sloped Roofs*

*American National Standard*  
*for Construction and*  
*Demolition Operations*

ANSI/ASSE A10.24-2006



AMERICAN SOCIETY OF  
SAFETY ENGINEERS

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**ANSI A10.24 – 2006**

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

Secretariat

**American Society of Safety Engineers**  
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## **Foreword** (This Foreword is not a part of American National Standard A10.24-2006.)

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 Planning for Construction Safety and Health (under development)
- 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 and Debris 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 Floor Holes, Wall Openings, Stairways, and Other Unprotected Edges
- A10.19 Pile Installation and Extraction Operations (under development)
- A10.20 Ceramic Tile, Terrazzo, and Marble Work
- A10.22 Rope-Guided and Non-Guided Workers' Hoists
- A10.23 Back Injury Prevention Programs (under development)
- A10.24 Roofing – Safety Requirements for Low-Sloped Roofs
- A10.25 Sanitation in Construction (under development)
- A10.26 Emergency Procedures for Construction Sites (under development)
- A10.27 Hot Mix Asphalt Facilities
- A10.28 Work Platforms Suspended from Cranes or Derricks
- A10.29 Aerial Lifts in Construction (under development)
- A10.30 Construction Workplace Security
- A10.31 Digger-Derricks
- A10.32 Fall Protection Systems for Construction Industry Users
- A10.33 Safety and Health Program Requirements for Multi-Employer Projects
- A10.34 Public Protection
- A10.35 High Pressure Hydro Blasting (under development)
- A10.36 Railroad Construction Safety (under development)
- 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 (under development)
- 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 (under development)  
A10.46 Hearing Loss Prevention (under development)  
A10.47 Highway Construction Safety (under development)  
A10.48 Communication Tower Erection (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.

*Revisions:* The A10 Committee welcomes proposals for revisions to this standard. Revisions are made to the standard periodically (usually five years from the date of the standard) to incorporate changes that appear necessary or desirable, as demonstrated by experience gained from the application of the standard. Proposals should be as specific as possible, citing the relevant paragraph number(s), the proposed wording, and the reason for the proposal. Pertinent documentation would enable the A10 Committee to process the changes in a more timely manner.

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*No one but the A10 Committee (through the A10 Secretariat) is authorized to provide any interpretation of this standard.*

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*Committee Meetings:* The A10 Committee meets twice a year. Persons wishing to attend a meeting should contact the Secretariat for information.

*Standard Approval:* This standard was processed and approved for submittal to ANSI by the American National Standards Committee on Safety in Construction and Demolition Operations, A10. Approval of the standard does not necessarily imply (nor is it required) that all Committee members voted for its approval. At the time this standard was published, the A10 Committee had the following members:

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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 with a maximum slope of four and twelve. These types of roofs include but are not necessarily limited to: hot and cold built-up roofing, single-ply roofing, polyurethane foam (PUF) roofing, liquid-type roofing (Hypalon®, polyurethane, etc.), modified bitumens.

NOTE: This standard does not apply to composition or wood shingles, slate, tile and metal roofs that are normally installed on roofs with slopes four and twelve or greater.

**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

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

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

*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 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 S12.3, Statistical Methods for Determining and Verifying Stated Noise Emission Values of Machinery and Equipment.*

*ANSI Z359.1, Safety Requirements for Personal Fall Arrest Systems, Sub-Systems, and Components.*

*ANSI Z87.1, Occupational and Educational Personal Eye and Face Protection Devices.*

*ANSI Z88.2, Practices for Respiratory Protection.*

*ANSI Z88.6, Respirator Use – Physical Qualifications for Personnel.*