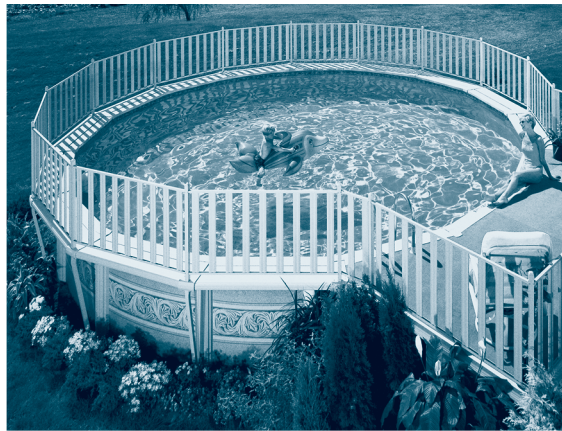




*The Association of
Pool & Spa Professionals™*



American National Standard for Aboveground/Onground Residential Swimming Pools



Effective February 1, 2008

**ANSI
APSP-4 2007**

**American National Standard
For Aboveground/Onground Residential Swimming Pools**

Sponsor

The Association of Pool and Spa Professionals

Approved September 28, 2006; Supplement Approved April 20, 2007

(Effective February 1, 2008)

American National Standards Institute, Inc.

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Foreword

(This Foreword is not a part of the American National Standard ANSI/APSP-4 2007)

The ANSI/APSP-4 2007, *Standard for aboveground/onground residential swimming pools*, was approved by ANSI September 28, 2006, as a new standard; a supplement was approved April 20, 2007.

The objective of this voluntary standard is to provide recommended minimum guidelines for the design, equipment, operation, and installation of aboveground/onground residential swimming pools. It is intended to meet the needs for incorporation into national or regional building codes, and also for adoption by state and/or local municipalities as a local code or ordinance. It is understood that for the sake of applicability and enforceability, the style and format of the standard may need adjustment to meet the code or ordinance style of the jurisdiction adopting this document.

The design recommendations and construction practices in this standard are based upon sound engineering principles, research, and field experience that, when applied properly, contribute to the delivery and installation of a safe product.

The words “safe” and “safety” are not absolutes. While the goals of this standard are to design and construct a safe, enjoyable product, it is recognized that risk factors cannot, as a practical matter, be reduced to zero in any human activity. This standard does not replace the need for good judgment and personal responsibility. In permitting use of the pool by others, owners must consider the skill, attitude, training, and experience of the expected user.

As with any product, the specific recommendations for installation and use provided by the manufacturer should be carefully observed.

This standard was prepared by the APSP-4 Aboveground/Onground Standard Writing Committee of The Association of Pool and Spa Professionals (APSP) in accordance with the American National Standards Institute’s (ANSI) *Essential Requirements: Due process requirements for American National Standards*.

Consensus approval was achieved by a ballot of the ANSI Consensus Voting Body below and through an ANSI Public Review process. The ANSI Public Review provided an opportunity for additional input from industry, academia, regulatory agencies, safety experts, state code and health officials, and the public at large.

Suggestions for improvement of this standard should be sent to The Association of Pool and Spa Professionals, 2111 Eisenhower Avenue, Alexandria, VA 22314.

Inclusion in this list does not necessarily imply that the organization concurred with the submittal of the proposed standard to ANSI.

Organization Represented

Name of Representative

Consensus approval in accordance with ANSI procedures was achieved by ballot of the following ANSI consensus voting body. Inclusion in this list does not necessarily imply that the organization concurred with the submittal of the proposed standard to ANSI.

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ANSI/APSP-4

Standard for Aboveground/Onground Residential Swimming Pools

1 Scope

1.1 This standard describes certain criteria for the design, manufacturing, testing, care, and use of aboveground/onground residential (Type-O) non-diving swimming pools and their components.

1.1.1 Aboveground/onground residential (Type-O) non-diving swimming pools are defined as pools with a shallow area water depth of 36 inches (91 cm) minimum at the wall and a water depth of 48 inches maximum (122 cm) at the wall.

1.2 Aboveground/onground residential swimming pools are for swimming and wading only. No diving boards, slides, or other equipment are to be added to an aboveground/onground pool that in any way indicates that an aboveground/onground pool may be used or intended for diving or sliding purposes.

1.3 This standard does not apply to pools covered by ANSI/APSP-1 *Standard for public swimming pools* and by ANSI/APSP-5 *Standard for residential inground swimming pools* and other pools or spas operated for medical treatment, physical therapy, or other special purposes.

2 Normative references

The following standards contain provisions that, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ANSI Z535 *series for safety signs and colors* (5 standards) (2002)¹

ANSI Z21.56-2001/CSA 4.7-2001, *Gas fired pool heaters*²

ANSI/ASME A112.19.8-1987, *Suction fittings for swimming and wading pools, spas, hot tubs and whirlpool bathtub appliances*³

ANSI/NEMA MG1-1998, *Motors and generators*⁴

ANSI/NFPA 54 (2002), *National fuel gas code* (same as ANSI Z223.1-2002)⁵

ANSI/NFPA 58 (2001), *Storage and handling of liquefied petroleum gases*⁶

ANSI/NFPA 70 (2002), *National electrical code, Article 680*⁷

ANSI/IAF-8 (2005), *Model barrier code for residential swimming pools, spas, and hot tubs*⁸

A112.1.2 (2002), *Air gaps in plumbing systems*⁹

ASTM D1593-99, *Standard specification for non-rigid vinyl chloride plastic film and sheeting*¹⁰

ASTM D-1790-02, *Standard test method for brittleness temperature of plastic sheeting by impact*¹¹

¹ American National Standards Institute (ANSI), 25 West 43rd Street, Fourth Floor, New York, NY 10036, (212) 642-4900, www.ansi.org

² ANSI, previously listed

³ ANSI, previously listed

⁴ National Electrical Manufacturers Association (NEMA), 1300 N. 17th Street, Suite 1847, Rosslyn, VA 22209, (703) 841-3200, www.nema.org

⁵ NFPA, 1 Batterymarch Park, Quincy, MA 02269, (617) 770-3000, www.nfpa.org

⁶ NFPA, previously listed

⁷ NFPA, previously listed

⁸ The Association of Pool and Spa Professionals, 2111 Eisenhower Avenue, Alexandria, VA 22314, (703) 838-0083, www.APSP.org

⁹ American Society of Mechanical Engineers (ASME), 3 Park Avenue, 20th Floor, New York, NY 10016, (212) 591-8562, www.asme.org

¹⁰ ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428, (610) 832-9585, www.astm.org