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# AS 2159-1995 Rules for the design and installation of piling (known as the SAA **Piling Code**)

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Abbreviation

AS 2159-1995

Amendment

Valid from

05/08/1995

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

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# Description

This Standard specifies minimum requirements for the design, calculation and testing of piled foundations for civil engineering and building structures, on land and immediate inshore locations.

# Scope

This Standard sets out minimum requirements for the design, construction and testing of piled footings for civil engineering and building structures on land or immediate inshore locations.

It does not extend to offshore (deepwater) construction, or to detached Class 1 building as defined in the Building Code of Australia.

NOTES: 1 AUSTROADS Bridge Design Code should be considered for the design of footings for road bridges.

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#### **New Zealand Standards**

# • AS/NZS 1554.4:1995

AS 2159-1995 cites AS/NZS 1554.4:1995 Structural steel welding - Part 4: Welding of high strength quenched and tempered steels

#### AS/NZS 1554.5:1995

AS 2159-1995 cites AS/NZS 1554.5:1995 Structural steel welding - Part 5: Welding of steel structures subject to high levels of fatigue loading

# AS/NZS 1554.6:1994

AS 2159-1995 cites AS/NZS 1554.6:1994 Structural steel welding - Welding stainless steels for structural purposes

# AS/NZS 2312:1994

AS 2159-1995 cites AS/NZS 2312:1994 Guide to the protection of iron and steel against exterior atmospheric corrosion

# AS/NZS 3679.1:1996

AS 2159-1995 cites AS/NZS 3679.1:1996 Structural steel - Part 1: Hot-rolled bars and sections

#### **Australian Standards**

# • AS 1170.3-1990

AS 2159-1995 cites AS 1170.3-1990 Minimum design loads on structures (known as the SAA Loading Code) Snow loads

# • AS 1012.1-1993

AS 2159-1995 cites AS 1012.1-1993 Methods of testing concrete - Method 1: Sampling of fresh concrete

# • AS 1012.10-1985

AS 2159-1995 cites AS 1012.10-1985 Methods of testing concrete - Method 10: Method for the determination of indirect tensile strength of concrete cylinders ('Brazil' or splitting test)

# • AS 1012.11-1985

AS 2159-1995 cites AS 1012.11-1985 Methods of testing concrete - Method 11: Method for the determination of the flexural strength of concrete specimens

# AS 1012.12-1986

AS 2159-1995 cites AS 1012.12-1986 Methods of testing concrete - Method 12: Method for the determination of mass per unit volume of hardened concrete

# • AS 1012.13-1992

AS 2159-1995 cites AS 1012.13-1992 Methods of testing concrete - Determination of the drying shrinkage of concrete for

samples prepared in the field or in the laboratory

# • AS 1012.14-1991

AS 2159-1995 cites AS 1012.14-1991 Methods of testing concrete - Method for securing and testing cores from hardened concrete for compressive strength

# • AS 1012.15-1979

AS 2159-1995 cites AS 1012.15-1979 Methods of testing concrete - Method 15: Method for the estimation of portland cement content of hardened concrete

# • AS 1012.16-1974

AS 2159-1995 cites AS 1012.16-1974 Methods of testing concrete - Method 16: Method for the determination of creep of concrete cylinders in compression (metric units)

## AS 1012.17-1976

AS 2159-1995 cites AS 1012.17-1976 Methods of testing concrete - Method 17: Methods for the determination of the static chord modulus of elasticity and Poisson's ratio of concrete specimens

# AS 1012.18-1975

AS 2159-1995 cites AS 1012.18-1975 Methods of testing concrete - Method 18: Method for the determination of setting time of fresh concrete, mortar and grout by penetration resistance (metric units)

# AS 1012.19-1988

AS 2159-1995 cites AS 1012.19-1988 Methods of testing concrete - Method 19: Accelerated curing of concrete compression test specimens (laboratory or field) - Hot water and warm water methods

# • AS 1012.2-1994

AS 2159-1995 cites AS 1012.2-1994 Methods of testing concrete - Method 2: Preparation of concrete mixes in the laboratory

# • AS 1012.20-1992

AS 2159-1995 cites AS 1012.20-1992 Methods of testing concrete - Determination of chloride and sulfate in hardened concrete and concrete aggregates

# • AS 1012.3-1983

AS 2159-1995 cites AS 1012.3-1983 Methods of testing concrete - Method 3: Methods for the determination of properties related to the consistence of concrete

# • AS 1012.4-1983

AS 2159-1995 cites AS 1012.4-1983 Methods of testing concrete - Method 4: Methods for the determination of air content of freshly mixed concrete

# • AS 1012.5-1983

AS 2159-1995 cites AS 1012.5-1983 Methods of testing concrete - Method 5: Method for the determination of mass per unit volume of freshly mixed concrete

# • AS 1012.6-1983

AS 2159-1995 cites AS 1012.6-1983 Methods of testing concrete - Method 6: Method for the determination of bleeding of concrete

# • AS 1012.8-1986

AS 2159-1995 cites AS 1012.8-1986 Methods of testing concrete - Method 8: Method for making and curing concrete compression, indirect tensile and flexure test specimens, in the laboratory or in the field

# • AS 1012.9-1986

AS 2159-1995 cites AS 1012.9-1986 Methods of testing concrete - Method 9: Method for the determination of the compressive strength of concrete specimens

• AS 1163-1991

AS 2159-1995 cites AS 1163-1991 Structural steel hollow sections

• AS 1170.1-1981

AS 2159-1995 cites AS 1170.1-1981 Minimum design loads on structures (known as the SAA Loading Code) - Part 1: Dead and live loads

AS 1170.2-1989

AS 2159-1995 cites AS 1170.2-1989 Minimum design loads on structures (known as the SAA Loading Code) - Wind loads

• AS 1170.4-1993

AS 2159-1995 cites AS 1170.4-1993 Minimum design loads on structures (known as the SAA Loading Code) - Earthquake loads

• AS 1302-1991

AS 2159-1995 cites AS 1302-1991 Steel reinforcing bars for concrete

AS 1379-1997

AS 2159-1995 cites AS 1379-1997 Specification and supply of concrete

• AS 1450-1983

AS 2159-1995 cites AS 1450-1983 Steel tubes for mechanical purposes

• AS 1554.1-1985

AS 2159-1995 cites AS 1554.1-1985 Structural steel welding (known as the SAA Structural Steel Welding Code) - Part 1: Welding of steel structures

AS 1554.2-1993

AS 2159-1995 cites AS 1554.2-1993 Structural steel welding - Part 2: Stud welding (steel studs to steel)

• AS 1554.3-1983

AS 2159-1995 cites AS 1554.3-1983 Structural steel welding (known as the SAA Structural Steel Welding Code) - Part 3: Welding of reinforcing steel

• AS 1579-1993

AS 2159-1995 cites AS 1579-1993 Arc welded steel pipes and fittings for water and waste water

• AS 1604-1997

AS 2159-1995 cites AS 1604-1997 Timber - Preservative-treated - Sawn and round

AS 1720.1-1988

AS 2159-1995 cites AS 1720.1-1988 Timber structures (known as the SAA Timber Structures Code) - Design methods

AS 1726-1993

AS 2159-1995 cites AS 1726-1993 Geotechnical site investigations

AS 2209-1994

AS 2159-1995 cites AS 2209-1994 Timber - Poles for overhead lines

• AS 2701.2-1984

AS 2159-1995 cites AS 2701.2-1984 Methods of sampling and testing mortar for masonry construction - Part 2: Methods of sampling

• AS 2832.2-1991

AS 2159-1995 cites AS 2832.2-1991 Cathodic protection of metals - Part 2: Compact buried structures

• AS 2832.3-1992

AS 2159-1995 cites AS 2832.3-1992 Cathodic protection of metals - Part 3: Fixed immersed structures

AS 3600-1994

AS 2159-1995 cites AS 3600-1994 Concrete structures

• AS 3678-1990

AS 2159-1995 cites AS 3678-1990 Structural steel - Hot-rolled plates, floorplates and slabs

• AS 3679.2-1991

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• AS 3972-1997

AS 2159-1995 cites AS 3972-1997 General purpose and blended cements

• AS 4100-1990

AS 2159-1995 cites AS 4100-1990 Steel structures

#### Other

• AUSTROADS - Bridge Design Code

AS 2159-1995 cites Bridge Design Code

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