

Part 4.2 Footings, slabs and associated elements

4.2.1 Application

[New for 2022]

Part 4.2 is subject to the limitations set out in H1D4(2).

4.2.2 Site classification

[2019: 3.2.4.1]

The *foundations* where footings and slabs are to be located must be classified in accordance with AS 2870.

Explanatory Information

Explanatory Table 4.2.2 provides a general description of *foundation* soil types that will assist in the classification of a *site*. More detailed information, including differentiation between classifications, can be found in AS 2870 or alternatively contact the *appropriate authority*.

Due to the limitations of this Part, if a *site* is classified H, E or P then reference must be made to AS 2870 for design and construction information.

Table 4.2.2 (explanatory): General definition of site classes

Class	Foundation
A	Most sand and rock <i>sites</i> with little or no ground movement from moisture changes
S	Slightly reactive clay <i>sites</i> with only slight ground movement from moisture changes
M	Moderately reactive clay or silt <i>sites</i> which can experience moderate ground movement from moisture changes
H	Highly reactive clay <i>sites</i> which can experience high ground movement from moisture changes
E	Extremely reactive clay <i>sites</i> which can experience extreme ground movement from moisture changes
A to P	Filled <i>sites</i> — see AS 2870
P	<i>Sites</i> which include soft soils, such as soft clay or silt or loose sands; landslip; mine subsidence; collapsing soils; soils subject to erosion; reactive <i>sites</i> subject to abnormal moisture conditions or <i>sites</i> which cannot be classified otherwise.

Table Notes

- (1) For Class M, further division based on the depth of expected movement is *required*.
- (2) For deep-seated movement, characteristic of dry climates and corresponding to a design depth of suction change H_s , equal to or greater than 3 m, the classification must be M-D.
- (3) If classification M-D is established due to further division, design of footings and slabs is beyond the scope of the ABCB Housing Provisions and reference must be made to AS 2870 for design and construction information.