

Concrete Slab/Soil Types – Classes of Foundation Material

GENERAL DEFINITIONS OF SITE CLASSES

A Most sand and rock sites with little or no ground movement from moisture changes

S Slightly reactive clay sites, which may experience only slight ground movement from moisture changes

M Moderately reactive clay or silt sites, which may experience moderate ground movement from moisture changes

H1 Highly reactive clay sites, which may experience high ground movement from moisture changes

H2 Highly reactive clay sites, which may experience very high ground movement from moisture changes

E Extremely reactive sites, which may experience extreme ground movement from moisture changes

Class P - 'Problematic' soil, which experiences land slip, mine subsidence and so forth. If you are building on Class P site you will typically need to consult an engineer

Notes

1. Where controlled fill has been used, the site may be classified A to E according to the type of fill used.
2. Filled sites. Class P is used for sites which include soft fills, such as clay or silt or loose sands; landslip; mine subsidence; collapsing soils; soil subject to erosion. Reactive sites subject to abnormal moisture conditions or sites which cannot be classified otherwise.
3. Where deep-seated moisture changes exist on sites at depths of 3 m or greater, further classification is needed for Classes M to E (M-D, H1-D, H2-D and E-D).

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