

Report 2538/1574/MT07 SUMMARY

Product: **COMPRESSED STABILIZED EARTH BLOCKS BUILDING SYSTEM**

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Description of system

- This report covers a Building system where buildings are constructed with compressed stabilized Earth Blocks manufactured from the in situ soil.
- Conventional concrete foundations and surface beds are used.
- Walls are constructed with the CSEB's and in situ soil based mortar with reinforcing and a metal ring beam 300 mm from the top of the wall.
- Conventional roof construction and sheeting may be used.

Application

This report covers the use of the building system in all areas in South Africa, with an annual rainfall and wind speed as depicted in table 1 of SABS report 2538/1574/MT07 for the construction of single storey buildings of the following classifications as per SANS 10400:

- Non residential school buildings (A3),
- moderate and low-risk commercial service buildings (B2) and (B3),
- clinics and other institutional buildings (E3),
- small shops (F2),
- office (G1),
- hostels, semi-detached, row houses and detached houses (H2, H3 and H4),
- moderate and low-risk storage (J2 and J3).

The different occupancy classes are given in Section A20, (Occupancy or building classification) table 1 of SANS 10400 ***“Application of the National Building Regulation***

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