5<sup>th</sup> International Conference on

## Steel and Concrete Structures

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## Get a good building structure in an unfavorable soils

**Prince Daniel Kwaku Dupe** Anderson Construction Firm, Ghana

**Background:** Buildings put up along marshy areas develop dump surfaces few months after been built. Same happens to buildings that are built on lands with salt content in them.

**Method:** Thick polythene is laid in the foundation before casting the foundation concrete. The polythene is also laid on the exterior of the footings before filling it. Again, the polythene was laid on the hard core filling before casting the floor concrete.

**Result:** Three years after completion, the surface of the building is still intact with no trace of dampness.

**Conclusion:** Using the thick polythene prevents water and salt from coming into contact with the footings because it is impossible to penetrate the thick polythene hence water and salt cannot climb the wall. This has proven to be a very efficient way of preventing dampness.

## **Biography**

Prince Daniel Kwaku Dupe, I had my degree from Architecting Department, Central university Of Ghana. I am an Assistant manager of Anderson Construction Firm, I take care of most of the field works and manager and supervise, I have been working with the company for a long time, Am married with two children by the grace of God

pdd09876@gmail.com

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