Roofing options

Ferro cement shelving

Ferro cement shelves can be used in place of timber shelving. This is a more cost effective and eco-friendly option as it reduces the use of timber. It also reduces the time spent by the carpenters and masons. Ferro Cement is not only limited for shelving purposes, but it can also be used as sun protectors of doors and windows.

How to make a Ferro cement slab

- Before preparing the Ferro cement slab, find a flat platform for casting the slab.
- Determine the size of the shelf and make the timber framework for the slab, allowing a thickness according to the span of the shelf. (A rule of thumb: a 1” thickness would be sufficient for a 2’ x 3’ shelf.)
- Line the mould with 1 layer of 100 gauge polythene.
- Use two layers of chicken mesh or one layer of welded mesh (2”x2”) as reinforcements. Ensure that these are laid flat. It is best to tie the layers of chicken mesh with binding wire.
- When making the slab, ensure that the cement sand mixture (1:2) is placed on the mould. Place the mesh on top of the mixture. Use another layer of cement sand mixture according to our requirement (for ex. 1”). When once the mixture is poured, spread and compact it using a mason’s trowel.
- Leave to cure for 2 days and regularly wet with water. Keep moist throughout the curing period and do not let it dry.
- Sprinkle cement powder evenly on the surface and smooth with a trowel. Use of water has to be done carefully as when there is access water, the mixture will not fit into the mould.
- When once the slab is dried (after 2 days), it should be lifted in vertical position. Raise one side (the longer side) of the slab, bringing the shelf into a vertical position. Even during transportation, the shelves should be stacked vertically. Do not carry or stack in a horizontal position.

Ferro cement shelves

Smoke free chimney with a ferro cement component