FERROCEMENT CHANNELS



For further info

UNITED NATIONS CENTRE FOR HUMAN SETTLEMENTS

tion on Ferrocement Channels (FC) Please contact:

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- A ferrocement is a thin wall of reinforced cement, where layers of continuous mesh are covered on both sides with mortar
- ment elements are durable, versatile, light and v
- A ferrocement channel (FC) is a longitudinal element of a curved section (often semi-cylindrical). It is precast using moulds
- A ferrocement channel uses less cement and steel while I the same strength as the same RCC
- FC are used for floors or roofs, but are bad the A major cost reduction is achieved compared to RCC
- A simple and cheap manufacturing set up is needed but the areas for prefabricating and curing need to be quite large It is easy to acquire the skill and easy to manufacture
- A constant quality control is needed during the man process and a proper curing is needed for one month
- If the channels are not manufactured on site, transp be organized while taking care against damage
- Ferrocement channels are lifted into place and can immediately be joined together in order to provide a shelter
- No need of scaffoldings, shuttering, concrete mixer or vib

MANUFACTURING THE MOULD, PREPARING THE MAT



Ferrocement elements are watertight by themselves, and wh the valley between elements is well cast the roof is waterproof





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