

A Breakthrough in Building Technology

Born in France - Available in South Africa

JK Structure[®] Technology

For The Construction of Houses & Buildings
RCC Constructions With a Stay-in Place Steelframe-Formwork

One single & homogenous Steel-reinforced alleviated-concrete shell, consisting of walls, partitions, ceilings & roof

Features

- High quality & durability
- Short construction time
- Cost effective
- No forms, shuttering, frames or casings
- High structural strength
- Insulation incorporated in walls, floors & roof
- No Chiselling - wires & pipes embedded in the walls
- Total style & architectural flexibility

No Prefab

Entirely built & customised on site from steel+cement +EPS beads+concrete mixer-pump+labour

Minimal

- Construction equipment
- Manpower
- Construction time
- Logistics

Example: 250m², G+1
Concrete Shell entirely built on site by 5 men in 10 working days

Environment

- Energy efficient
- No moisture trap - walls perspire
- Thermal & sound efficient
- Non-Flammable
- No termites, insects, rodents or fungus
- No clay or wood used for walls or roofs

THE RESULT IS:

Insulated, earthquake, hurricane, tornado, fire and termite resistant houses & buildings entirely built on site, in record time, with minimal manpower, equipment & logistics



JK Structure® is exceptional and quasi-unique in several areas of utilization

1. **SOILS:** Stabilisation & vegetalization of slopes & embankments without the need of concrete or retainer walls



2. **TUNNELS:** Tunnels, bridges, arches, vaults, sewages and conduits with exceptionally thin and resistant walls



3. **ROADS:** Reinforcement of granular sub-bases of roads, Increased durability and load, Reduced costs

