

**A BREAKTHROUGH IN BUILDING TECHNOLOGY BORN IN FRANCE GOES INTERNATIONAL
THE JK STRUCTURE® TECHNOLOGY, FOR THE CONSTRUCTION OF HOUSES & BUILDINGS**

**A MONOLITHIC RCC CONSTRUCTION COMBINING A STAY-IN-PLACE FORMWORK
COLUMNS, BEAMS AND BRACING SYSTEM INCORPORATED IN LOAD-BEARING WALLS & SLABS**

**STRUCTURALLY INSULATED AND EARTHQUAKE-HURRICANE-TORNADO-FIRE-TERMITE-RODENT-RESISTANT,
BUILT ENTIRELY “ON SITE” (NO-PREFAB), IN RECORD TIME, WITH MINIMAL MANPOWER, EQUIPMENT & LOGISTICS**

- NO PREFAB: ALL BUILT & CUSTOMISED “ON SITE” FROM STEEL-FRAMES, EPS-ALLEVIATED-CONCRETE AND A MIXER-PUMP UNIT

- HIGH QUALITY & DURABILITY / UNMATCHED SHORT CONSTRUCTION TIME & COST- EFFECTIVENESS:

**ONE SINGLE & HOMOGENEOUS MONOLITHIC STEEL-REINFORCED AND EPS-ALLEVIATED-CONCRETE “SHELL”
INCORPORATING A NETWORK OF COLUMNS & BEAMS AND A BRACING SYSTEM WITHIN LOAD-BEARING WALLS, SLABS AND ROOFS**

- NO FORMS, SHUTTERING, FRAMES OR CASINGS

- HIGH STRUCTURAL STRENGTH OF WALLS & CEILINGS

- INSULATION “INCORPORATED” IN WALLS, FLOORS & ROOF

- WIRES & PIPES CONCEALED WITHOUT SCISELLING

- REQUIRES MINIMAL CONSTRUCTION-EQUIPMENT & TOOLS, MINIMAL LOGISTICS, & NO SKILLED CONSTRUCTION WORKERS

- MINIMAL & NON-SKILLED MANPOWER / MINIMAL CONSTRUCTION TIME / MINIMAL CONSTRUCTION EQUIPMENT / MINIMAL LOGISTICS

EXAMPLE: A 250m² G+1 “CONCRETE-SHELL” RAW-HOUSE (as shown below) ENTIRELY BUILT “ON SITE” BY 5 MEN IN 10 WORKING-DAYS

- SOUND, SAFE, HEALTHY, ENERGY EFFICIENT & ENVIRONMENTALLY & CULTURALLY FRIENDLY HOMES

- WALLS THAT PERSPIRATE (NO MOISTURE TRAP) / COMPLETE THERMAL & SOUND INSULATED EPS-CONCRETE STRUCTURE

- NON FLAMMABLE, NO TERMITES, INSECTS, RODENTS, FUNGUS

- ENVIRONMENT FRIENDLY, WITH NO CLAY, NOR WOOD CONSUMATED FOR WALLS OR ROOFS

- TOTAL, STYLE & ARCHITECTURAL FLEXIBILITY

HOUSES



SMALL BUILDINGS



&

HIGH RISE BUILDINGS



JK STRUCTURE IN CIVIL WORKS

JK STRUCTURE IS EXCEPTIONAL AND QUASI-UNIQUE IN MANY AREAS; EXAMPLES OF AREAS OF UTILISATION

1. SOILS: STABILISATION THROUGH VEGETALIZATION OF SLOPES & EMBANKMENTS; WITHOUT THE NEED OF CONCRETE NOR RETAINER WALLS



2. PUBLIC WORKS: TUNNELS, VAULTS, ARCHES, SEWAGES, CONDUITS; REINFORCED WITH AN EXCEPTIONALLY THIN & RESISTANT LAYER



3. ROADS. REINFORCEMENT OF HE GRANULAR SUB-BASE OF ROADS, LEADING TO REDUCED COSTS AND INCREASED DURABILITY

