

BUILDING MATERIAL AND CONSTRUCTION

HYDRAFOR

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CONNECTION DEATILS

- ▶ AN ALTERNATE TO CONVENTIONAL BRICKS & MORTAR
- ▶ MALE/FEMALE INTERLOCKING-VERTICAL/HORIZONTAL SHEAR KEYS.
- ▶ SUITABLE FOR LOAD/FRAMED STRUCTURES COMPATIBLE TO INCORPORATE V/H
- ▶ SUITABEL FOR SEISMIC STRUCTURES
- ▶ REINFORCEMENTS

- ▶ HYDRAFORM BUILDING TECHNOLOGY PROVIDES A SOLUTION FOR REPLACING CONVENTIONAL BRICK AND MORTAR MASONRY , HOWEVER BASICS OF THE CONVENTIONAL BUILDING SYSTEM REMAIN LARGELY UNCHANGED. HYDRAFORM BUILDING SYSTEM INVOLVES USING TWO TECHNOLOGIES
- ▶ INTERLOCKING BLOCK MAKING USING HYDRAFORM HYDRAULIC BLOCK MAKING MACHINES. THE MACHINES ARE VERSATILE FOR ON SITE AND FACTORY PRODUCTION. BLOCKS CAN BE MADE WITH DIFFERENT SHAPES AND SIZE TO SUIT CONSTRUCTION REQUIREMENTS.VARIETY OF RAW MATERIALS LIKE FLY ASH, SUB SOIL, OTHER TYPE OF WASTE MATERIALS BLENDED WITH SAND & CEMENT.

- ▶ THE HYDRAFORM BUILDING SYSTEM IS ESSENTIALLY A LEGO STYLE BUILDING BLOCK.
- ▶ THE HYDRAFORM BLOCK IS MADE BY A HYDRAFORM MACHINE AND EACH OTHER WITHOUT THE NEED FOR MORTAR BETWEEN BLOCKS, THE BLOCKS ARE MOSTLY DRY-STACKED.

ADVANTAGES

- ▶ ECO FRIENDLY PROCESS
- ▶ SPEEDIER CONSTRUCTION
- ▶ SUPERIOR FINISHES
- ▶ COST & ENERGY EFFECTIVE
- ▶ SIMPLE TO USE
- ▶ COMPATIBLE FOR ALMOST ALL TYPES OF CONSTRUCTION
- ▶ LIGHTER UNIT WEIGHT
- ▶ RE-USABLE BLOCKS
- ▶ BETTER THERMAL EFFICIENCY

APPLICATIONS

- ▶ WALLING: STRUCTURES – EXTERNAL / INTERNAL, COLUMNS , BOUNDARY, LOAD / NON LOAD BEARING , CURVED
- ▶ COMPATIBLE FOR V/H REINFORCEMENTS, CONDUITING , MORTAR CONSTRUCTION, THERMAL EFFICIENT STRUCTURES
- ▶ USED IN RESIDENTIAL ,COMMERCIAL, INDUSTRIAL , SECURITY WALLS, SCHOOLS, GODOWNS, COMMUNITY PROJECTS.

TECHNICAL INFORMATION

- ▶ RAW MATERIAL:
 - > FOR FLY ASH BLOCKS: IN THE LINE WITH IS

MANUFACTURING PROCESS

- ▶ RAW MATERIAL MIXING AT OMC
- ▶ HYDRAULIC COMPRESSION IN HYDRAFORM MACHINE
- ▶ COVERED SPRINKLED WATER CURING FOR 28 DAYS

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