

IGE MAYONA BOLADE
 18/ENGD03/030
 CUE 301 ASSIGNMENT.

Highlight ten civil Engineering materials, their uses and properties. (in tabular form)

| MATERIALS | USES | PROPERTIES |
|-------------------|---|--|
| WOOD | constructions of walls, ceilings and floors | color, texture, shrinkage |
| CEMENT | Constructions of parapet walls of foundations, used in important engineering structures like bridges, dams. | consistency, soundness, strength |
| CONCRETE | Construction used in reinforcements. used in making bridges | Durability, fire resistance, porosity. |
| CLAY | Used in the manufacturing of bricks. to make wells fences | size of particles, low permeability |
| REINFORCED CEMENT | Used in construction of reinforced concrete. | tensile strength |
| GLASS | Used in construction of windows and also used as internal partitions | transparency, heat resistant |

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|--------------------------|--|---|
| BITUMEN | use for paving of roads and also used for roofing | Adhesion Hardness viscosity and flow. |
| PLASTIC | Used for the productions of pipes, seals, cables, floor coverings and insulation | durability insulation |
| Asphalt | Construction of smooth, durable surface for driveways, walking paths and parking lots. | stability Durability Flexibility |
| BRICKS KEY | For constructions of for complex structures like fire places chimneys | Hardness Efflorescence |