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Assignment
Highlight 10 civil engineering materials uses and properties

1 Wood

uses of wood

Properties of wood

- a Used in producing furniture
- b Used in creating art

(a) Colour, (b) texture (c) density

2 Concrete

uses of concrete

Properties of concrete

- a Concrete is safe for building occupants
- b concrete can be used to achieve optimum environmental performance
- c Concrete is used in driveways and patios

(a) Durability, it is durable
(b) Porosity and density
(c) Mechanical strength

3 Cement

uses of cement

Properties of cement

- a Used as a binder in concrete
- b For Aesthetic structures
- c To construct cement concrete roads

(1) Heat hydration (2) Consistency
(3) Bulk density

4 Structural clay and Concrete Unit

uses

Properties

- a Used in building construction
- b Used in paving

(a) Resistance to wear (b) load-bearing strength (c) Resistance to chemical attack

5 Bitumen

Uses of Bitumen

- a Used as a binder in asphalt roads
- b Used in construction industry

Properties of Bitumen

- (a) Adhesion
- (b) Hardness
- (c) Specific Gravity

6 Asphalt

Uses of Asphalt

- a Used to lay road
- (5) Used to make road compact and smooth

Properties of Asphalt

- (a) Stability
- (b) Durability
- (c) Impermeability