

2. Construction science principles

Worksheet 2a: Properties of concrete

Concrete is a material widely used in construction. Provide an analysis of the its properties by completing the table below. Use the internet or other sources to help you in your research.

Composition	
Uses in construction	
Durability	
Compressive strength (the extent to which it cracks under weight)	
Tensile strength (the extent to which it cracks under tension)	
Conductivity	
Thermal expansion	
Effects of environmental conditions	
Degradation or failure	