



Encyclopedia of Engineering Geology

Living Edition

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Durability

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Synonyms

Resistance to deterioration or wear (<http://link.springer.com/search?facet-content-type=ReferenceWorkEntry&query=Resistance%20to%20deterioration%20or%20wear>)

Definition

Durability can be defined as the resistance of geomaterials to deterioration caused by physical, chemical, and biological agents acting in a specific environment. Resistant materials maintain their original and distinctive characteristics and appearance over a period of time.

Characteristics

Geomaterials such as natural stones in buildings and historic monuments, concrete aggregate, and road aggregate can deteriorate and disintegrate at different rates when exposed to weathering agents. The decay rate depends on the mineralogical

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