

# JUST EXACTLY WHAT IS A “DURABLE” BUILDING?

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# What Do We Know?

(CSA S478)

## 4. Basic Durability Requirement

### 4.1

Buildings and their components shall be conceived, designed, constructed, and operated and maintained in such a way that, under foreseeable environmental conditions, they maintain their required performance during their *design service lives*.

The *predicted service life* of buildings and building components and assemblies should meet or exceed their *design service life*.

# What Do We Know?

(CSA S478)

## 5.2.1

Durability can be achieved only if,

- (a) the required quality of design is provided;
- (b) the required quality of materials is used throughout;
- (c) the required quality of workmanship is provided in the construction and maintenance of the building, its components, and assemblies; and
- (d) the building is operated within the limits for which it was designed

# What Do We Know?

(CSA S478)

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*Architect*

- (a) the **required quality of design** is provided;
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Contractor

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Owner

# Is This a Durable Building?



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QUESTIONS?