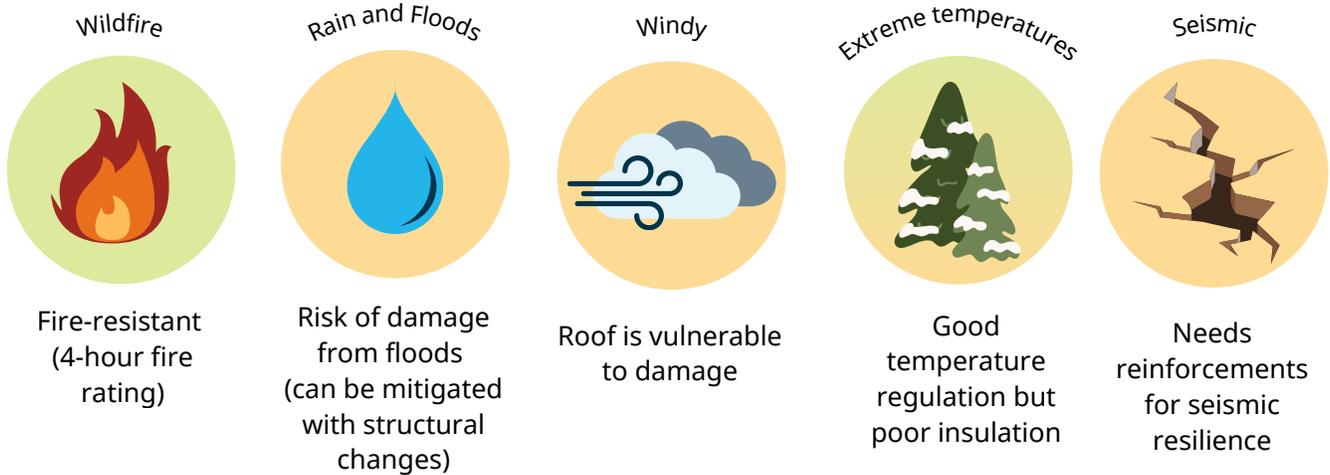


Rammed Earth

Building with rammed earth involves compressing earth - a mix of sand, gravel, and clay, often with stabilisers such as lime or cement - into vertical *formworks* layer by layer. This approach produces strong, compact walls.

Formworks are temporary wooden or plywood frames used to shape the wall.

Hazard Resilience



Cost Analysis

Cost estimates for rammed earth vary depending on many factors, including site, soil type, and labour/transportation costs. [innovative earth](#), a company based in Alberta, Canada, estimates rammed earth construction costs \$250-350 per square foot (estimate accessed in 2025).

Generally, costs for rammed earth are likely to be higher upfront compared to conventional materials, with a long-term return because of its sustainability.

