

Reasearch Project Design

ACBA5024

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Abstract

A Cost-benefit of using timberframe vs traditional building for domestic housing.

In this assignment were asked to write about a research topic of our interests. I have chosen to write about the cost benefits the pros and cons of both designs for domestic use in the uk. Timber frame designs are usually erected quicker than the traditional brick and block builds and is a more sustainable approach to building homes, how ever questions remain on cost efficiency build speed, thermal performance and long term value.

The study will analyse existing literature, cost data and industry case studies to compare to the initial construction costs, programme durations and life cycle costs of both methods. A mixed methods approach will be used, combining Quantitative analysis of cost data with qualitative interviews from industry professionals.

Research Question

Does timber frame construction deliver measurable cost and performance advantages over traditional brick-and-block methods in UK domestic housing projects?

The findings aim to provide clear evidence to inform developers, designers and policymakers about the most efficient and sustainable construction method for future residential developments.