Wall thickness: design it properly

Thickness follows structure, insulation, fire and space requirements.

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1 Identify the wall

Distinguish load-bearing, separating, external and internal partition walls.

2 Calculate structure

Height, loading, restraint, openings and material strength affect the required dimensions.

3 Design the envelope

Include insulation, weather protection, cavities and internal/external finishes in overall thickness.

4 Fire and sound

Check the complete construction against its required performance, including joints and services.

5 Coordinate openings

Design lintels, supports, reveals and window/door positioning within the selected wall system.

6 Keep dimensions clear

Label core, board and overall thickness separately. Use the current approved system drawing for IPS panels.

Before design approval: label core, board and finished overall dimensions on the drawing.

REFERENCE GUIDANCE

GOV.UK: Approved Document A
GOV.UK: Approved Document E

Use current product instructions and the approved project design. For regulations, confirm the UK nation, applicable edition and transitional arrangements.

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