

Floor Construction

Architecture

The main floor types, and what each one gives you in span, weight and acoustics.

Typical structural floor options.

Type	Span	Note
Timber joists	3 to 5 m	Light, poor acoustics
Metal deck composite	3 to 4 m	Fast, propped in build
In-situ flat slab	6 to 9 m	Flat soffit, heavy
Precast hollowcore	6 to 12 m	Fast, needs crane
Cross laminated timber	4 to 7 m	Low carbon, exposed

Educational reference. Sound insulation between dwellings is a regulated performance test, not a build-up choice alone.