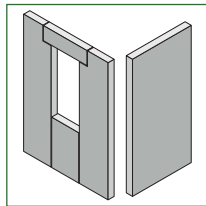


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SYSTEM OVERVIEW & BENEFITS



Fastbuild™ is a rapid and flexible concrete building system that consists of prefabricated structural concrete panels and a unique system of fixing brackets and channels. The special characteristics of Fastbuild™ offer many benefits for those engaged in the construction process.



System Overview

The panels are storey height and come in a variety of widths and thicknesses offering great flexibility of layout and the scope to form irregularly shaped buildings. Window and door openings are formed with variable width lintels and spandrel panels or the one-piece window panel.

The format of the panels and fixing components and the speed of their erection combine to enable a dry building shell of up to 6 storeys, to be completed without compromising other trades. The Structherm External Wall Insulation can be used as one of the finishing options

over the basic Fastbuild™ shell and then rendered with one of Structherm's quality finishes, ensuring that the structure is monolithic.

The resulting structure is cost effective, highly thermally efficient, strong and durable. Although offering an aesthetically pleasing and permanent solution, the structure is also easily extendable to meet a client's future requirements.

Structherm's Standard Construction Packages

The client's own design is translated into a Fastbuild™ format and supplied as a dry shell package for construction by other approved contractors.

Fastbuild is designed and supplied in various packages to meet the client's individual needs:

- Option 1 Fastbuild Panels only
- Option 2 Fastbuild Panels, Floors & Staircases
- Option 3 Fastbuild Panels, Floors, Staircases and Roof Structure

It should be noted that a number of roofing systems can be utilised including timber or steel trusses, glulam and hollow core concrete planks.

AREAS OF APPLICATION

INDUSTRY SECTORS:

1. Education.
2. Social housing.
3. Healthcare.
4. Hotels and leisure.
5. Commercial.
6. Key worker accommodation.
7. Student accommodation.
8. MoD.



System Benefits

1. Reduced contract time

With simple and rapid construction, Fastbuild™ can reduce overall contract times by up to 30-40%.

2. Dry shell construction

The erection of the dry shell construction is not dependent on adverse weather or temperature.

3. Easily extendable

Fastbuild™ is designed for future extendibility.

4. Economic foundation solutions

The building format allows economic foundation design.

5. High quality

Use of traditional materials with known qualities, LABC approved, which demonstrates compliance with the Building Regulations, and backed up by a full technical design service.

6. Excellent fire resistance

Solid concrete internal and external walls provide excellent fire resistance that meets the requirements of BS 8110.

7. Design flexibility

Building design is not restricted to specific plan forms or high volume schemes.

8. Varied roof constructions

A variety of roof constructions can be incorporated, including timber trusses, steel trusses, Glulam and precast planks.

9. Wide range of panel sizes

This allows design-specific solutions.

10. Wide choice of external wall construction and finish

There are no restrictions to the finishes that can be applied.

11. Robust

Robust build quality has a design life of 60 years minimum as approved by the BBA.

12. Environmentally efficient

Fastbuild™ construction details, acoustic and air leakage properties satisfy Part E (acoustics) and Part L (thermal) of the Building Regulations as well as Building Bulletin 93 (school acoustics).

13. Cost effective

Very cost effective, and generally lower compared to other forms of construction.

14. Reduced life cycle costs

No shrinkage cracking and minimal defects after completion lead to lower life cycle costs.

15. Simple construction procedure

Numerical panel referencing provides immediate identification and accurate location of Fastbuild™ panels.

16. Versatile in application

Fastbuild™ is an appropriate building method for most types of construction including apartments, schools, hospitals, sports and leisure centres, and industrial complexes.

17. Reduced labour requirement

Fastbuild™ is a large panel method, and is erected on site by only a few site operatives and a crane.

18. Minimises waste

Pre-engineered design minimises required allowances for waste generated on site.

19. Effective cost planning

Cost and time certainty has been demonstrated on numerous projects. Structherm will prepare, if requested, a cost plan that is guaranteed to an accuracy of ±5% based upon a series of standard design concepts.

