The FastSlab Foundation System is a combination of the successful Lewis® FastSlab ground floor system with the addition of a steel lattice ring beam and geoLOGIC steel helical screw piles.

The FastSlab Foundation System is a fast track method to construct foundations and ground floors, ideal for sites with limited access, poor ground conditions, flood plain locations and areas with tree root issues. It also works equally well in all ground conditions whilst eliminating a sometimes difficult and expensive muck shift. A typical FastSlab house foundation system can be installed within one week and is ideal for all forms of timber, LGS frame, SIPS or modular building systems.

The geoLOGIC screw piles have a capability to carry significant loads at shallow depths to support a galvanised lattice beam ring beam, galvanised floor beams and large format EPS insulation and Lewis® Deck composite floor slab. The ground floor is fully insulated and U Values of 0.16/0.17 are standard within the floor but can be improved to achieve 0.13 or better if required.

The galvanised lattice ring beams are all manufactured to specific dimensions to eliminate waste and the standard length FastSlab floor beams are easily cut to length on site. Floor insulation is taken care of by tightly fitting FastSlab EPS insulation blocks that sit snugly between the floor beams creating a thermally efficient sub floor ready to accept the DPM, Lewis® Deck and screed. The weight of the FastSlab floor system is only a fraction of alternative PCC Block and Beam systems and can be installed without any heavy lifting equipment.

Advantages
- Suitable for all ground conditions
- Cost effective
- No heavy lifting equipment
- Fast and easy to install, reducing construction time
- High thermal performance
- Great for underfloor heating
- Minimal excavation – no large and expensive Muck Shift!

Typical Applications
- Timber frame
- SIPS
- Light gauge steel framed systems
- Sloping or restricted access sites
- Flood Plain conditions
- Sites with tree roots
- Any site that calls for a piled solution.

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