

Compare

Comparison to alternative ground floor systems

The combined Pryda and Surefoot system provides significant advantages over traditional ground floor alternatives:

	CONCRETE SLAB/ WAFFLE POD	STUMPS AND TRADITIONAL SUBFLOOR	PRYDA/SUREFOOT TIMBER CASSETTE SYSTEM
Cost fixed no matter what the soil class	X	X	✓
Minimises cut & fill	X	X	✓
No concrete curing time	X	X	✓
No engineering inspection	X	X	✓
Total installation time	Up to 2 weeks	Up to 2 weeks	2-3 days
Minimises site waste	X	X	✓
Trades and materials to organise	1-2	Up to 10	Up to 3
Plumbing outside the critical path	X	✓	✓
Adjustable (plumb and level) after installation	X	✓	✓
Risk of rain delays	High	High	Low
Quality controlled product via offsite manufacturing	X	X	✓
Sustainable resource & reduced carbon emissions	X	✓	✓

Design Requirements

In order to design and estimate floor cassettes or the full ground floor system (including Surefoot), Pryda fabricators will require the following information:

FOR UPPER STOREYS

- > Full set of architectural drawings
- > Any structural engineering drawings

FOR GROUND FLOOR

- > Full set of architectural drawings
- > Any structural engineering drawings
- > Soil report including bore logs

Please note: In situations where soil testing has not yet been completed, indicative cost estimates can be provided based on worst case scenarios for expected soils in construction area. Full soil report and bore logs will be required to complete design, certification and final costing prior to manufacturing and installation.

PRYDA TEAM ARE ALSO ON HAND TO PROVIDE

- > Advice on feasibility of system to your specific project
- > Floor cassette specifications
- > Surefoot footing specifications
- > General advice and technical support
- > Details of fabricators supplying floor cassettes in your region

Highlights

Pryda Floor Cassette Systems



- > A fast cost effective way to construct a complete working platform in a matter of hours
- > Precision designed and engineered to stringent performance criteria to reduce bounce
- > Manufactured with Pryda Span or Long Reach floor trusses up to 10m in length
- > Manufactured off site for higher degree of quality assurance and reduced waste on site
- > Suits both ground floor and upper storey applications
- > Install complete upper storey cassettes from below to reduce OH&S risks
- > Compatible with Surefoot concrete free foundations for ground floor applications

pryda

Floor Cassette Systems

A fast and cost effective way to increase productivity

Contact

Contact us today for more information on Surefoot or the Pryda Floor Cassette Systems

pryda

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Floor Cassette Systems

Floor cassettes provide a fast, cost effective way to construct a complete working platform in a matter of hours



Key Benefits

IMPROVED QUALITY

Cassettes are pre-fabricated off-site in a factory controlled environment enabling a higher degree of consistency and quality assurance to be achieved.

FLEXIBLE DESIGNS

Cassettes are fully detailed and engineered by Pryda fabricators to suit your specific project. Pryda Span or Long Reach floor trusses can be manufactured up to 10m in length with designs able to take into consideration factors such as positioning of services, wet areas, balcony set downs and co-ordination with the supporting structure.

LIGHTWEIGHT AND ROCK SOLID

The Pryda floor trusses within the cassettes will be designed to stringent dynamic performance criteria to eliminate 'liveliness' in a floor, which can lead to bounce. This means timber cassette offers all the benefits of reinforced concrete but at a much lighter weight.

FAST ON-SITE INSTALLATION

Once delivered to site, pre-installed lifting devices and mobile cranes will be used lift the cassettes into position to create a complete working platform in a matter of hours.

FEWER DELAYS WAITING FOR TRADES & DELIVERIES

As cassettes form a complete working platform incorporating all ancillaries, incomplete deliveries become a thing of the past and there is minimal work required for follow on trades.

MINIMISES WASTE

Flooring materials and other ancillary products are optimised during design and installed off-site doing away with on-site cutting, waste and the risk of materials going missing.

REDUCES OH&S RISKS

Floor cassettes can be installed on upper stories from below and provide a working platform upon installation, minimising risks associated with working at heights.

SUIT A VARIETY OF APPLICATIONS

Floor cassettes are suitable for upper storey and ground floor applications in detached housing, multi-unit and light commercial developments.

Ground Floor Application

Using cassettes in combination with the concrete-free Surefoot foundation system will enable the complete foundation system to be installed in under 2 days by one supplier shaving days off the construction schedule.

CUT DAYS FROM YOUR CONSTRUCTION SCHEDULE



CONCRETE FREE FOUNDATIONS

Eliminates time waiting for concrete to cure and offers an alternative solution in areas where access to concrete is limited or cost is prohibitive.

INCREASED TIME SAVING

With no concrete to cure and cassettes installed in a matter of hours, you can be ready to stand wall frames the same day cutting days from your build and enabling you to reach key progress payment claims faster.

REDUCED CUT AND FILL

With the possibility to install on sloping sites, expensive excavation can be minimised saving time, money and preserving natural water drainage of the land.

FEWER STUMPS

The increased span of the floor cassettes when compared to traditional sub-floor systems enable the number of stumps required to be reduced by up to 60%.

RAISED FLOOR HEIGHT

The raised system is ideally suited to flood prone areas and if movement occurs over time or in areas with highly reactive clays it will allow for easy re-adjustment of levels.

SIMPLIFIED PLUMBING

Plumbers will no longer be on the critical path as installation can occur before OR after the floor is installed.



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NO COMPROMISE ON R VALUE

Insulation can be incorporated into the cassette design to ensure required R Values can be achieved.

DESIGNED AND CERTIFIED

For subfloors utilising Pryda Timber Cassettes and Surefoot foundation, designs can be completed by Pryda fabricators who will also arrange for certification to be provided by a registered professional engineer.



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NO INSPECTION REQUIRED

Surefoot foundations are installed in an all-in-one process therefore there is no opportunity for an engineering inspection of foundations. Instead installers simply need to document the actual driven depths of piles and provide a written report to the project engineer upon completion.

SUITS ALL SITE CLASSES

The embedment depth of the piles will be specified to suit your specific site class and soil type giving complete flexibility for use in most soil types.



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HIGH LOAD CAPACITIES

Surefoot is engineered to yield loads from 1 to 30 tonnes depending on which type is used. Ultimate load capacities of each Surefoot are determined by soil type, wind and terrain category and imposed loads of structure.

PATENTED CASSETTE LIFTING SYSTEM

- > Pre-installed during manufacturing for faster onsite installation
- > Minimises damage to floor sheeting and need for onsite rework
- > Independently tested with certified load capacity
- > Compatible with standard lifting systems



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- 1-2 Upper storey cassette installation
- 3-6 Ground floor cassettes being installed onto Surefoot foundations
- 7 Surefoot during installation
- 8 Surefoot with timber stump option
- 9 Surefoot installed on sloping site with steel stump



Surefoot is a fast and cost effective way to ground posts of any size without the need for digging, excavation or cement. Its engineering principles are based on piling technology using a combination of skin friction and point bearing. A patented steel plate secures pins in place resulting in a foundation spreading over a greater surface area achieving larger load capacities.

To find out more visit www.surefootfootings.com.au

