

FrameMaster
Panel
System



FrameMaster Panel System

USER INFORMATION



**Your Formwork Solution Specialist.
Design & Fabrication**

☎ Ph:(02)9426 9700

✉ info@fowlerformwork.com.au | www.fowlerformwork.com.au

1333 The Horsley Drive · PO Box 6481

Wetherill Park NSW 2164 · ABN 11 475 492 079

ScafworX Investments Pty Ltd atf ScafworX

Unit Trust t/a Fowler Sales and Hire



FOWLER
Hoists • Formwork • Platforms





Features

Revolutionising your conventional formwork frame systems.

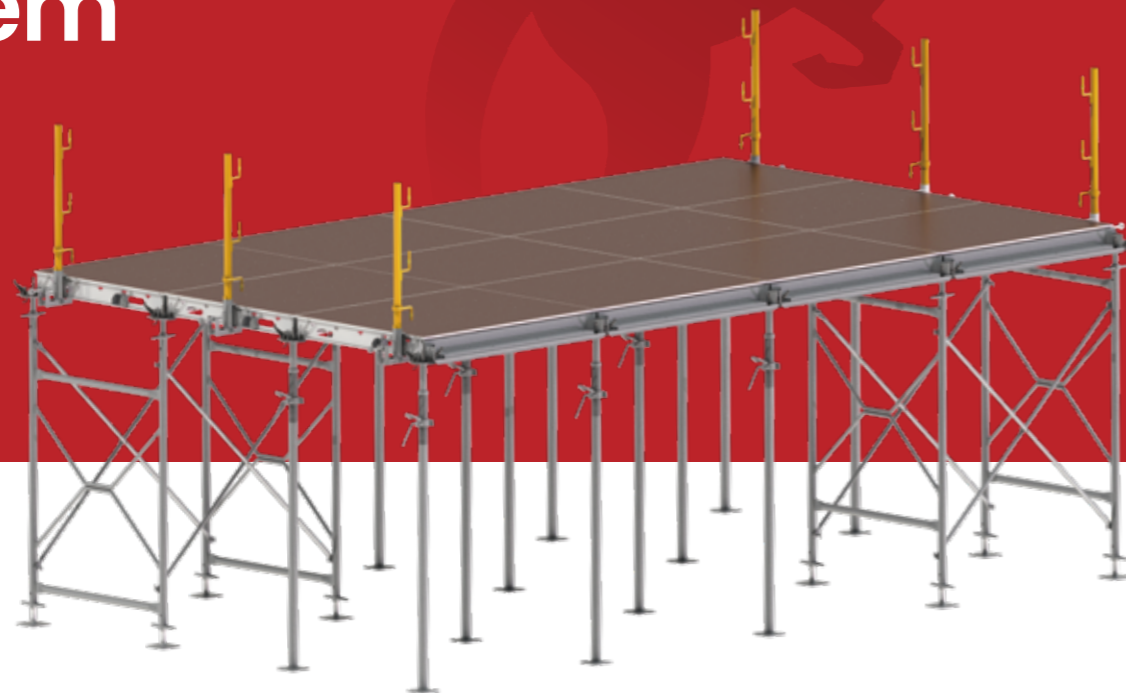
The Fowler FrameMaster Panel System is a highly efficient and cost-effective solution for concrete slab formwork. Designed for simplicity, it consists of just four main components, making it quick and easy to assemble and dismantle. The system integrates seamlessly with most contractors existing conventional formwork frames and accessories for bracing and propping, minimising the need for additional equipment. The system reduces the need for significant investments in timber and plywood, offering substantial savings over time. With a robust design, the FrameMaster system is capable of supporting up to 500mm thick concrete slabs, making it ideal for a wide range of construction projects and is a faster method of forming typical suspended slabs.

Advantages

- Integrates with conventional frame systems
- Unmatched load capability
- Simple to erect and dismantle
- Faster erect and dismantle times
- Removes risk of falls
- Minimal components required
- Simple infill solution
- Reduces ongoing investment in timber and plywood
- Reduces waste
- Reliable and durable long-term, low-cost investment

Fowler FrameMaster Panel system, Fowler props and accessories have been tested by Building and Construction Laboratory as per Australian standard AS3610: 1995 "Formwork for Concrete"

FrameMaster Panel System



SAFETY WARNINGS

- The respect of these instructions does not exempt from compliance with all safety regulations in force in the country where you use the system.

- These instructions are intended for users of Fowler products and systems. Operators must be aware of the contents of this manual; in case they have difficulties in reading the same, contact Fowler Formwork Manager.

- The User's Manual instructions must always be available at the workplace for all operators.

- This manual, even if used in order to draw up a Method Statement, will not substitute it, and the Method Statement will remain an important and unavoidable site document, responsibility of the client.

- Information and illustrations contained herein are relative to only the system in question, and therefore not exhaustive about the overall security; always refer to the applicable health and safety regulations in the region of use of the equipment.

- In relation to flow, configuration, installation, use and dismantling of equipment Strictly obey all instructions contained herein; failure to comply with them may result in serious injury to people, as well as extensive property damage.

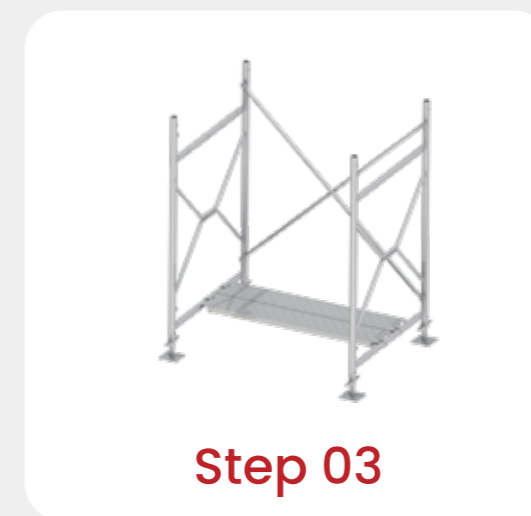
- Take every precaution consequently due to the climatic conditions of the site (i.e. in case of rain and/or ice to provide anti-slip measures etc.)

- Periodically verify, especially after severe weather conditions, any connection, wedge or any other connecting element, in order to avoid any possible system instability and consequent accidents.

Assembly Guide

First step is to assemble a standard conventional frame with one brace and install a deck of steel hook end boards. Using the steel boarded deck to install flat jacks with 150 x 150mm wide plates to the top of the frames. This assembly forms the systems bracing bays.

Bracing bays are to be installed in predetermined locations by experienced formwork contractors (Usually 3 -4 panels apart) or certifying engineer. Exclusion zones may be required around work area.



Step 05

Install FrameMaster Crowns to top flat jacks, ready for install of panel.



Assembly Guide

Step 06

Standing on the steel platform, install the first panel to conventional bracing frame ensuring the panel rests in the crown correctly.



Step 07

Install second cross brace and ensure the bracing bay is square on predetermined set out points and the jacks are adjusted to correct heights.



Step 08

Hang panels off the crowns on the bracing bay, ensuring the panels have engaged correctly.



Step 09

Using an installation Rod, the panels are swung out and up into a horizontal position and the installation rod is used to prop the panels temporarily. Ensure the installation rods are set to the correct length, in advance.



Step 10

Install props to underside of panels, leaving installation rod under leading panel for ease of fitting next panel. Ensure props are prepared in advance to the correct height with FrameMaster Crowns fitted.



Assembly Guide

Step 11 The process of installing panels and props is continued until the next bracing bay is needed and installed, The assembly process continues.



INFILLING Where infills are required, Fowler has simple to use infill beams and infill brackets.

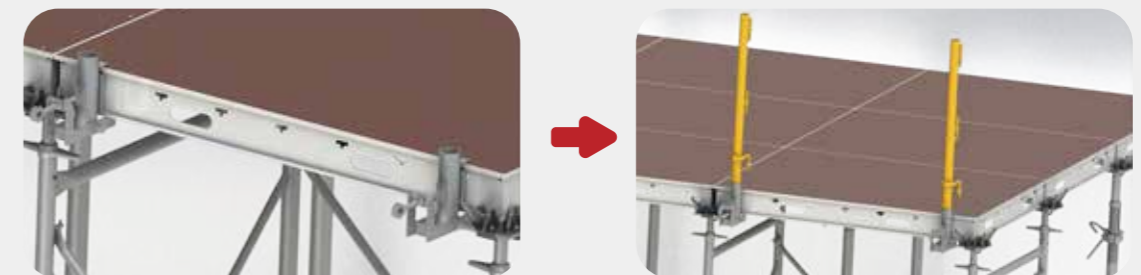


INFILL BEAM

INFILL BRACKET

HAND RAILS

Prior to accessing formwork deck, install Fowler handrail brackets and handrail posts with mid rails and top rails to leading edges and perimeters requiring handrailing. Users have the option of installing timber handrailing and toe boards or scaffold tube and coupler as the mid rails and top rails.



DISMANTLING

Using Fowler steel props, releasing load off the props is done quickly, by striking the quick release pins, which enables the collars to be turned down quickly. The dismantle process is done in the reverse process of the assembly process.



ITEM LIST

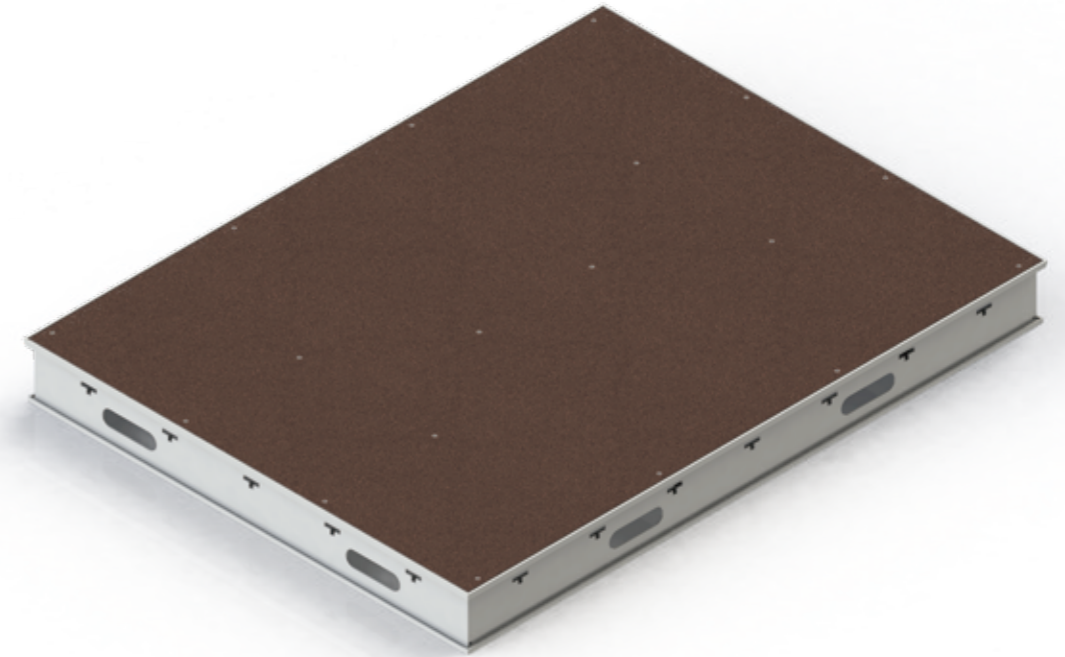


DESCRIPTION	WEIGHT(kg)
Crown	2.7



DESCRIPTION	WEIGHT(kg)
Installation Rod	10.50

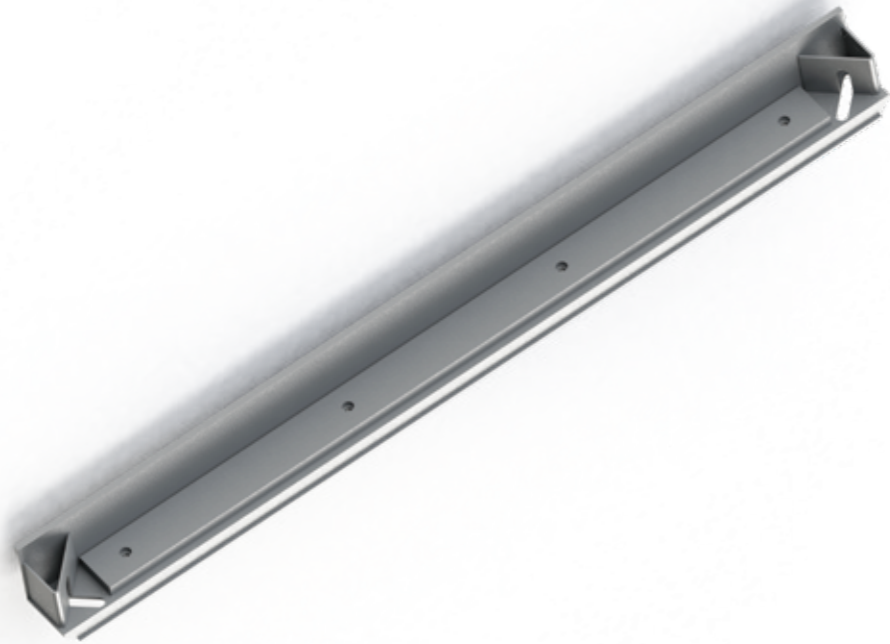
ITEM LIST



DESCRIPTION	WEIGHT(kg)
Aluminium Panel 1150 x 0900	17.6
Aluminium Panel 1150 x 1500	26.3
Aluminium Panel 1219 x 1219	25.8
Aluminium Panel 1219 x 1524	30.6

*Other panel sizes are available on a made to order basis

ITEM LIST



DESCRIPTION	WEIGHT(kg)
1150 Infill Beam	6.20
1500 Infill Beam	7.45
1219 Infill Beam	6.40
1524 Infill Beam	7.54

*Other Infill beam sizes are available on a made to order basis

ITEM LIST

DESCRIPTION	WEIGHT(kg)
Infill Brackets	0.70



DESCRIPTION	WEIGHT(kg)
Handrail Brackets	3.50



DESCRIPTION	WEIGHT(kg)
Handrail Post	4.70



DESCRIPTION	WEIGHT(kg)
Connecting Bolts M10	0.2

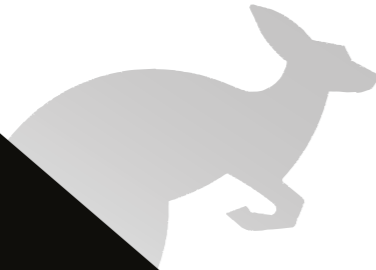
*Only 2 bolts required to fix crown to prop



DESCRIPTION	WEIGHT(kg)
Hanging Bracket	4.20



FrameMaster Panel System



FOWLER
Hoists • Formwork • Platforms