



Fallsafe.

Fall Protection Systems

Training Manual

Installation Guide

v1

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The safe and smart way to build

Fallsafe is a working platform that provides a safe environment while allowing you to work more efficiently. It's a safety system that eliminates the risk of falls on site. And it's a game-changing work deck that will help your team get the job done with ease and speed. No nets, no scaffolding, no falls; just a safe and smart working platform.

Built to carry the load

The Fallsafe platform system is built from rugged industrial plastic and designed to withstand the rigours of the construction industry. While the individual components are lightweight and easy to manoeuvre, once locked into place, they become a strong and sturdy work deck that can carry a building team, handheld tools and materials.

Rugged, versatile and tested to the highest standards

The Fallsafe system is made from durable and rugged high-density polyethylene, which is water, rot and UV-resistant, non-tear and resistant to damage by chemicals. It has a profiled non-slip surface for improved grip and can be loaded to a maximum of 2kN/m². Fallsafe undergoes rigorous testing at all stages from design to manufacture. It has been tested to BS EN12811-1:2003 and ACR (M) 001:2005 industry standards. Fallsafe is categorised as suitable for masonry or heavy duty, allowing it to be loaded out for masonry work, concrete block work and very heavy cladding.





Unpacking and loading

- Break the packing straps that hold the pack of panels together.
- Load the panels neatly and safely in the area that requires the platform.
- Load the legs required and stack them safely.
- Load the base and head plates into the area.
- Load the required amount of securing pins.
- Load the required amount of cam/securing straps.
- If needed, assemble the legs/base/head plates.



Fig 01.



Fig 02.



Personal protective equipment

To install or strike the Fallsafe platform system you will need **personal protective equipment** to do so safely.

A **Risk Assessment** and **Method Statement** should also be available for the work you are about to do.

Ensure you work to your **Method Statement**. If you cannot, stop work and speak to your supervisor/line manager and report to the site manager, as your **Method Statement** will need to be amended.

You will need the following **personal protective equipment**:

- **Hard Hat to EN 397**
- **Steel Toe Cap Boots EN ISO 20345:2004/EN ISO 20345:2007/EN 345**
- **High Vis-Vest/jacket to EN471 Class 2**
- **Gloves to EN 388**
- **Safety Eyewear to BS EN 166-1**

Ensure you wear the equipment following the manufacturer's guidance and your training.

In all cases the wearing of hard hats, foot protection, high visibility vests/jackets and gloves is mandatory while on site.



Competence and vigilance

Be competent:

- Are you trained to install Fallsafe?
- If not you will require training to install it correctly.

Be vigilant:

- Do you have the correct Information?
- Is the structure suitable?
- Has the mortar gone off?
- Is the build the right height for your system?
- Is YOUR work area safe?
- Is YOUR work area clear of debris?
- Have YOU checked your components for defects/damage?

If you answer "no" to any of these questions then stop and ask your supervisor/line manager. In the case of a safety issue speak to the site manager so any issues can be dealt with accordingly.

Components

There are 5 components:

- 1000mm x 1000mm
Fallsafe deck panel – 10.43KG
- Fallsafe deck leg – 1.81KG
- Fallsafe deck base/head plate – 0.28KG
- Fallsafe deck securing pin - 0.028KG
- Fallsafe cam/securing strap – 0.085KG



Fig 03.



Fig 04.



Fig 05.



Fig 06.



Fig 07.



Fig 08.



Component assembly

Attach head and base plates to the leg.

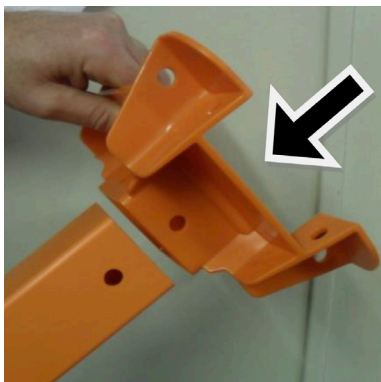


Fig 09.

Put the securing pin through the pin holes securing the base and head plates to the leg.



Fig 10.

Erection technique

- Prior to installation visually inspect the Fallsafe platform components for any defects.
- Generally it is best to start by building the platform along the two longest walls first (Fig.11).
- Starting with one panel in the corner, then build each open edge along the wall forming an L shape.
- Then build outwards from the L shape.
- It is more efficient to put the securing pins in as you go, securing the panels to the head plate.



Fig 11.



Erection technique

- When building outwards from the L shape build the deck like **(Fig.12)**. In this way, the deck will remain stable.



Fig 12.

- Always be aware who your on site first aid person is and how you can contact them in an emergency should you need them.

Erection technique

- When positioning the panels take care to straighten the legs.
- Make sure the corners of the panels are in position on the head plate.



Fig 13.

- Put the securing pins in place as you work.



Fig 14.



Erection technique

- Now place the remainder of the panels into position.



Fig 15.

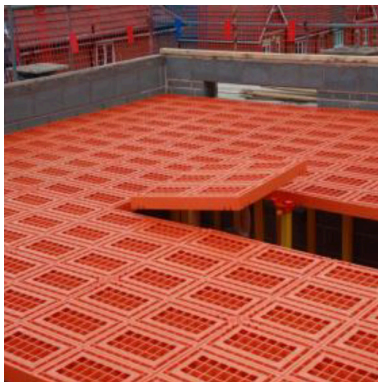


Fig 16.

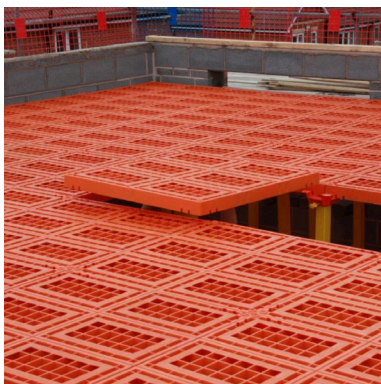


Fig 17.

- Remember to put the securing pins in.

Erection technique

- When you reach the adjacent walls you may need to create an overlap to fit the platform to the wall.
- Try adjusting the head plate positions where you started to gain enough space to fit the panel in.
- If the panel does not fit you will need to overlap them (Fig.18).
- You will need a cam/securing strap for an overlap, this will make the deck fit tight to the walls.



Fig 18.



Erection technique

- Put the cam/securing strap through the panels (**Fig.19**).

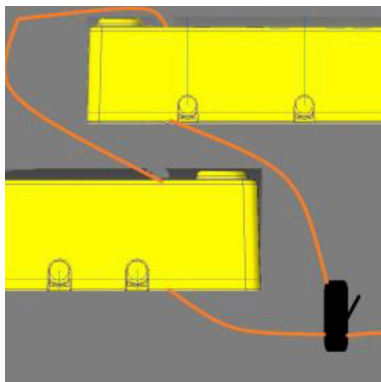


Fig 19.

- Place the cam/securing strap in the positions provided.

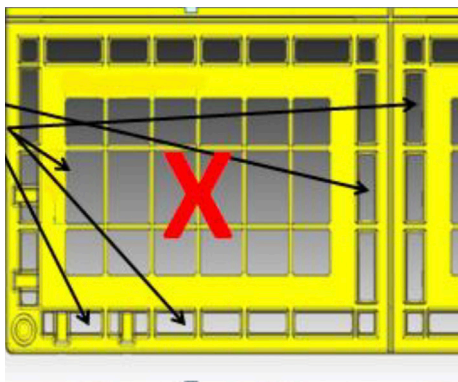


Fig 20.

- The cam/securing strap positions are located in the strongest parts of the panel (**Fig.20**).

Erection technique

- Pull the cam/securing straps tight. This will tighten the deck, eliminating movement (**Fig.21**).

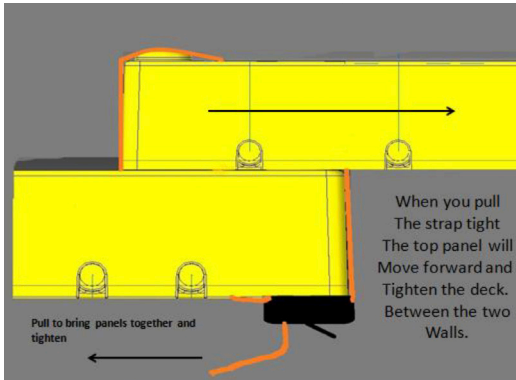


Fig 21.

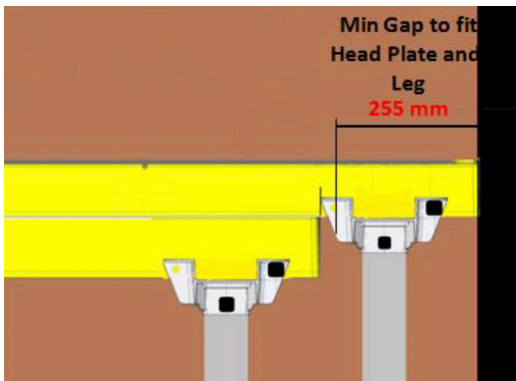


Fig 22.



Erection technique

- When overlapping panels always put a leg and head plate into one of the head plate positions to support the overlapped panel **(Fig.22&23)**.
- If you cannot fit a leg, there will be sufficient overlap onto the deck to support the overlapped panel.
- You will need to use extra base plates for the legs used on overlaps to increase the height of the leg.
- Add an extra cam/securing strap in the centre of the panel and tighten this down to the panel beneath to prevent any lifting or movement of the panel.

TAKE NOTE: If you can fit a head plate and leg in then put it in!



Fig 23.

Pre-handover inspection

- Check the securing pins are in position: legs, head and base plates.
- Check the legs are all straight.
- Check the cam/securing straps are tight.
- Check there are extra base plates used on the overlaps.
- Check there are no gaps greater than 100mm.
- Check there is no movement in the deck. **It should be tight to the walls, at least 3 e.g. a garage with a scaffold on the open end containing the deck.**
- The Fallsafe platform is NOT a freestanding system, it must be contained.

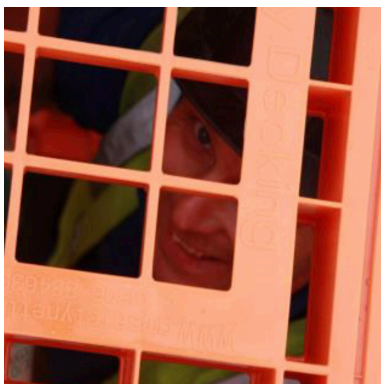


Fig 24.



Pre-handover inspection

- Once you are happy that the platform is safe and sound you may inspect it from above – if SAFE to do so.



- You can see very easily from on top of the deck whether or not the securing pins and securing straps are in position.

Fig 25.

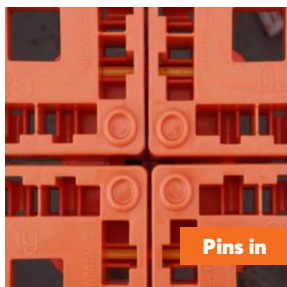


Fig 26.

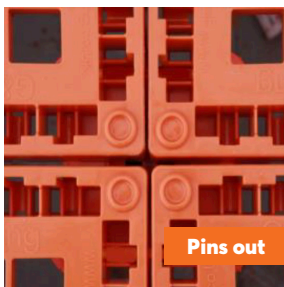


Fig 27.

- When YOU are happy that the platform is correctly installed and SAFE to access, hand it over to the client/site management.

Inspection routine

- Prior to striking, the platform should be inspected for damage following use.
- Check for any debris: bricks, blocks, scaffolding or timber (may contain nails) etc.
- Check for damage to the Fallsafe platform components.
- Make provision for striking and removal from site.



Damage caused by misuse

Fig 28.



Faults

Check for:

- Damaged legs
- Damaged base or head plates
- Damaged panels (Fig.28)
- Cut cam/securing straps
- Broken securing pins.

Damage, caused by:

- Cracks/splits (impact/overloading)
- Cut (knife/saw/power tools etc. Fig.28)
- Penetrations (nails/power tools etc.)



Fig 29.



Faults

Striking is simply the reverse of the installation process.

These simple points should be followed:

- Wear eye protection in case of debris on the platform.
- Remove the cam/securing strap.
- Remove the securing pins.
- Remove the panels and legs.
- Place the panels and legs close to the extraction point.
- Observe your manual handling procedures.
- Use mechanical lifting aids to lift components down from high levels.
- Store ready for next use.
- Use the kinetic lifting technique when lifting heavy loads.

Examination

- Examine the components for damage.
- Examine the components for defects.
- Quarantine any damaged or defective components.
- Return the Fallsafe platform to your storage area ready for next use.



Care and storage

On return to your storage area the Fallsafe platform components should be checked for damage prior to storage and/or being put back into service.

- Check for any damage or defects.
- Quarantine any damaged or defective components to prevent further use.
- Pallet the panels 25 high and secure with a strapping too.
- Gather the legs into an 8x8 pack and secure them with a strapping tool (with base and head plates left on).
- Place the securing pins into a suitable container.
- Place the cam/securing straps in a suitable container and place in a dry store.



Fig 30.



Notes

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