Training Manual & Installation Guide

Contents

G&M Safe Deck

G&M Safety Netting Ltd is committed to providing safe working conditions to the Construction Industry.

In order to meet this requirement, we have developed a new lightweight working platform called G&M Safe Deck. This system allows the user to work at height in complete safety.

Unique Design

G&M Safe Deck is the only light weight working platform that allows a specialist scaffold to be constructed through it whilst still in place, thereby reducing costs and increasing productivity.

Ultimate Safety Protection

G&M Safe Deck provides an exceptionally safe working platform for operatives working at height. Its unique design and manufacture exceed the current safety regulations and standards laid down by the UK Health & Safety Executive. The system has undergone stringent testing at all stages from design to manufacture. G & M Safe Deck can be loaded to a maximum of 2kN/m2. It has a profiled non-slip surface for improved grip and its bright orange colour is highly visible.

Unpacking and Loading

- Break the packing straps that hold the pack of panels together.
- Load the panels neatly & safely in the area to be decked.
- Load the legs required & stack them safely.
- Load the base and Head Plates into the area.
- Load the required number of securing pins.
- Load the required number of cam/securing straps.
- If needed assemble the legs/base/head plates.


fig 1


fig 2

Personal Protective Equipment

To install or strike the G&M Safe Deck System you will need your PPE 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.

PPE, you will require;

- 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 your PPE in-line with 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 whilst on-site.

Competence and Vigilance

Be Competent;

- Are you trained to install the G&M Safe Deck?
- If Not, you will require training to install the G&M safe Deck System.

Be Vigilant;

- Correct/Incorrect Information – Have you got it?
- 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 can answer "no" to any of these questions, then stop and ask your supervisor/line manager or in the case of a safety issue speak to the site manager so any issues can be dealt with accordingly.

Components

There are 5 G&M Safe Deck Components:

- 1000mm x 1000mm

  Fig 3 - Safe Deck Panel – 10.43KG

- Fig 4 - Safe Deck Leg – 1.81KG
- Fig 5&6 - Safe Deck Base/Head Plate – 0.30KG
- Fig 7 - Safe Deck Securing Pin - 0.028KG
- Fig 8 - Cam/Securing Strap – 0.085KG

Fig 3

fig 4

fig 5

Fig 6

fig 7

fig 8

Component Assembly

Attach Head and Base plates to the Leg.

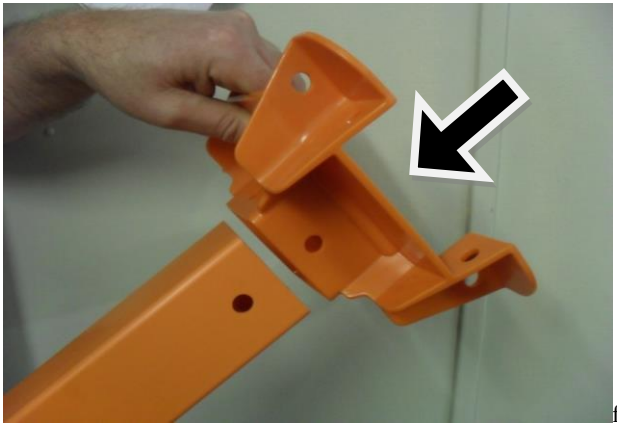

fig 9

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

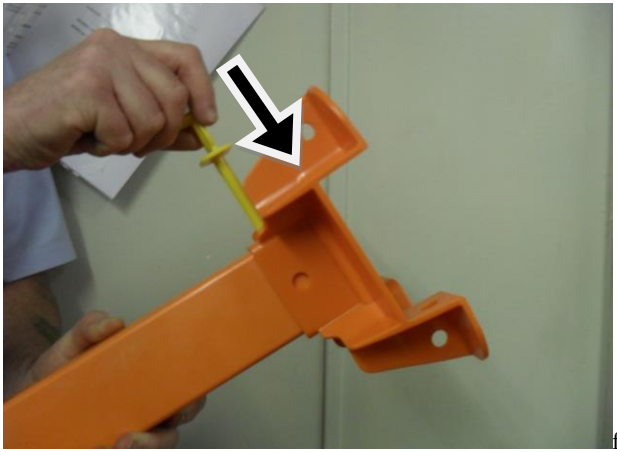

fig 10

Erection Technique

- Prior to installation visually inspect the G&M Safe Deck components for any defects.
- Generally, it is best to start by building the deck along the two longest walls first (fig 11)
- Starting with one panel in the corner then building of 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) by doing it this way the deck will remain stable.

fig 12

- You do not want it to topple over or you will have to start again! But more importantly you may injure yourself and others.
- Always be aware of whom the site first aider 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 as you work it saves time later.

fig 14

Erection Technique

- Now place the remainder of the panels into position.

Fig 15

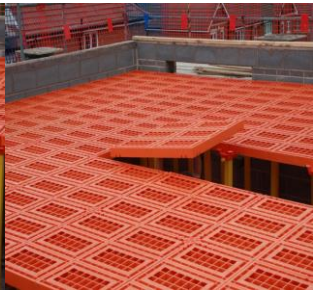

fig 16

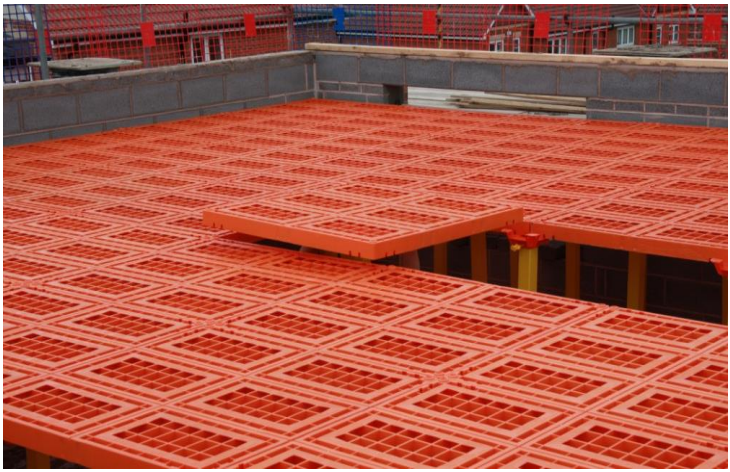

fig 17

- Remember to put the securing pins in

Erection Technique

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

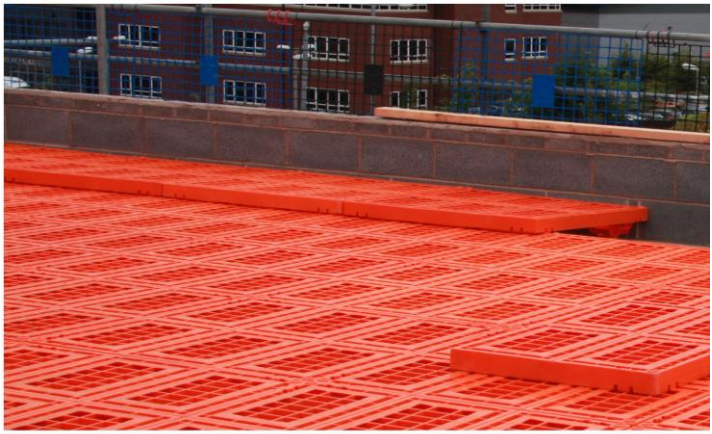

fig 18

Erection Technique

- Put the cam/securing straps through the panels (fig 19)

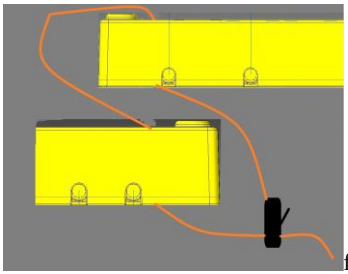

fig 19

- Place the cam/securing straps in the positions provided

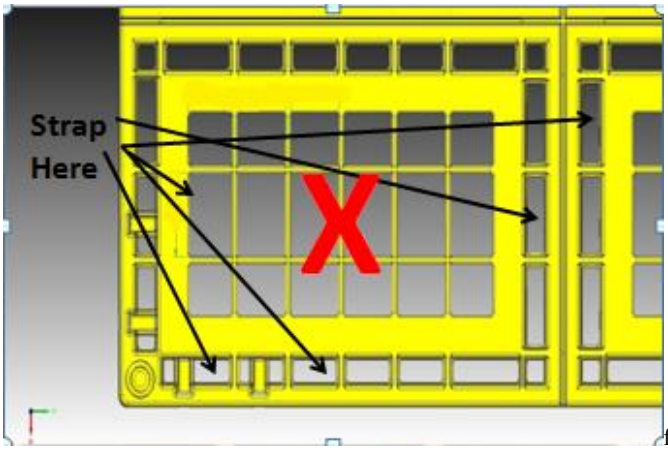

fig 20

- 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)

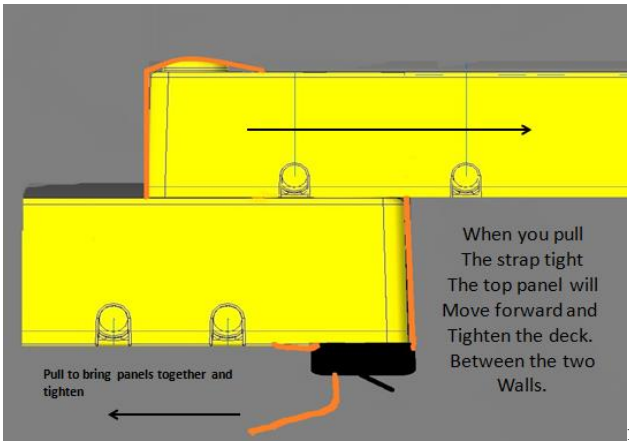

fig 21

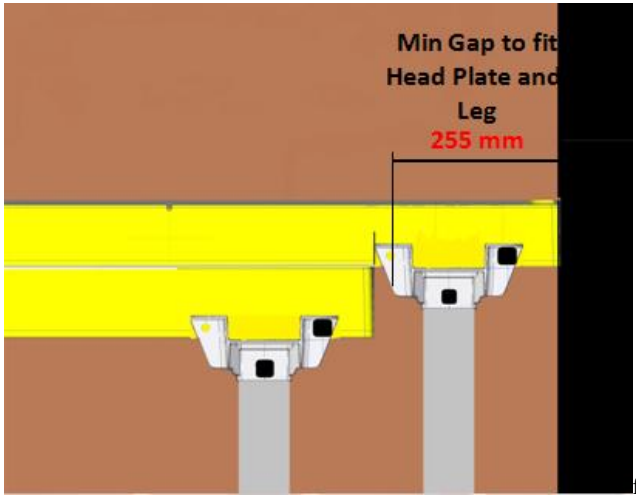

fig 22

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 in 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, tighten this down to the panel beneath to prevent any lifting or movement of the panel.

Rule of thumb;
If you can fit a head plate and leg in, then put it in!

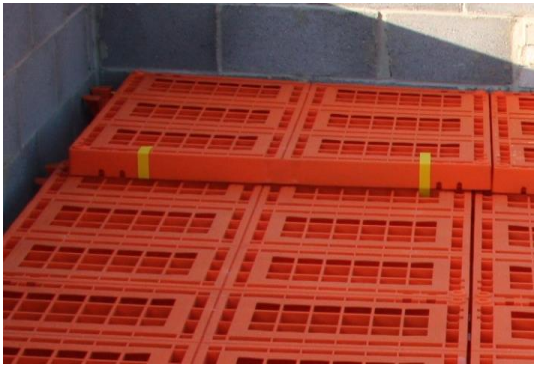

Fig 23

Pre-handover Inspection

- Check the securing pins are in position; legs, head & 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
- G&M Safe Deck is **NOT** a free-standing system it must be contained.

Fig 24

Pre-handover Inspection

- Once you are happy that the Deck is safe and sound you may inspect it from above (If **safe** to do so)

fig 25

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

Fig 26 pins in

fig 27 pins out

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

Inspection Routine

- Prior to striking the deck 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 G&M Safe Deck components.
- Make provision for striking and removal from site.

Fig 28 damage caused by misuse

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)
- Cuts (Knife/saw /power tools etc. fig 28)
- Penetrations (nails/power tools etc.)

Fig 29 Overloading

Striking

Striking is simply the reverse of the installation process. These simple points can be followed.

- Wear eye protection (Debris on the deck)
- 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 G&M Safe Deck to **YOUR** storage area ready for next use.

Care and Storage

On return to your storage area the G&M Safe Deck 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 tool
- 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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