Congratulations on one of the best purchases you have ever made!

We are confident that you will be more than satisfied with the latest in aluminium mobile scaffolding systems provided by Staffy Scaffolding.

The product was developed and tested in Germany by expert engineers, to bring you a wide range of features and benefits that will make this system one of the most versatile and easy to use scaffolds on the market. It will let you focus on your job and not on how to get there.

This user guide provides you with step by step instruction to ensure that your system is erected easily and safely, please read it carefully before first use. Any person using this tower should have a copy of this guide. If you need further information please don’t hesitate to contact your Staffy Scaffold Representative.

Aluminium mobile towers are light-weight scaffold towers used throughout the building and construction industry for both indoor and outdoor access solutions where a stable and secure platform is required. Ideal for maintenance and installation work or short-term access, the highly versatile towers provide a strong working platform for a variety of heights.

Staffy Scaffold has been tested and certified by TUV Rheinland in Germany and also complies with all applicable New Zealand and Australian Standards.

It is the responsibility of the operator to:

(1) Ensure that local, regional and national regulations are complied with
(2) Ensure that the Instruction Manual is made available to all personnel using this tower

- Safety rules
  - Check that the ground on which the tower is to be erected and moved is capable of supporting the maximum load of the tower.
  - Check that you have the correct equipment and that it is in working order before you erect the tower. During erection, use a spirit level to check tower for level and plumb.
  - The maximum working load is 272kg per platform uniformly distributed – max. concentrated load is 150kg per deck up to a max of 900kg per tower (incl. self weight) This must not be exceeded!
  - During the erection of the tower it is recommended that a temporary guardrail brace be employed during erection or dismantling, every use of a temporary platform should be considered as a working platform which must have a guardrail at 0.5m or 1m above
  - The dismantling sequence is the reverse order of the erection process.
  - The dismantling must start from the highest level and end with the lowest.

When tower is individually erected, the maximum height of working platform for outdoor use is 8m, the maximum height of working platform for indoor use is 12m.

Lock all castors by pushing down the brake levers. The brake levers may only be released for moving the mobile scaffold tower.

Ensure the push-on frames are plugged on and secured by spring-loaded clips.

The model overview in these Assembly and Use Instructions shows the correct arrangement of diagonal braces, frames and platforms for each construction height.
• When using the mobile scaffold tower outside or in open buildings at a wind force over 6 (on the Beaufort scale), move it to an area sheltered from the wind or secure it against tipping over with other suitable means (e.g. anchors, stabilizers).
• Do not brace yourself against the side guards when working.
• Do not jump on the platform.
• Beware of horizontal forces (e.g. power tools) which could generate instability. Max. horizontal force is 20kg
• Before using the mobile scaffold tower, check tower for plumb and level, correcting it if necessary. Furthermore, inspect the mobile scaffold tower for proper and complete assembly. Also check there are no environmental changes influencing the safety of the mobile scaffold tower.
• Identify any electrical risks in the work area, such as overhead lines or other exposed electrical equipment.
• For special or unusual applications, contact your supplier for further technical advice
• Do not attach hoists or similar devices to the mobile scaffold tower to lift loads.
• Always climb the tower from the inside and NEVER stand or climb on the straight or diagonal braces (they are designed for bracing only > not for load carrying).
• Do not connect mobile scaffold towers to buildings with planks, etc.
• Do not use ladders, boxes or other devices to increase the height of the platform.
• Tools and materials may only be handed up. Always taking the weight of the tools and materials into consideration so as not to overload the working platform.
• Under no circumstances must safety harnesses be attached to these towers during erecting or dismantling.
• Adjustable legs should only be used for levelling.
• Stabilizers should always be fitted when specified.

Movement safety
• When moving the tower, beware of soft or uneven ground, rain or pot holes and overhead obstructions, especially power cables
• The tower should only be moved by manual effort. Immediately after moving apply the brakes and check that tower is upright and stable.
• No personnel or material is allowed on the tower during movement.
• Caution should be exercised when moving a tower over rough, uneven or sloping ground. Clear ground obstruction which is over 12mm above the ground
• Be aware of towers stability during movement, stabilizers should be kept sufficiently above ground to clear ground obstructions.
• Ensure that brakes are loosened during movement
• The height of the tower, when being moved, should not exceed 2.5 times the minimum base dimensions or 6 meters overall height

Wind
• Positioned in high wind and without any effective protection, wind is one of the most dangerous factors and you must be aware of it. We recommend that in wind speeds over 7.7 meters per second (17m.p.h.), cease work on the tower. If the wind is expected to reach 11.3 meters per second (25 m.p.h.), tie the tower to a rigid structure. If the wind is likely to reach gale force, over 18 meters per second (40 m.p.h.), the tower should be dismantled.
• Beware of open ended buildings which can cause funnelling effect

Maintenance
• All components and their parts should be regularly inspected to identify damage, particular to welds.
• Lost or broken parts should be replaced and any tubing with indentation greater than 5mm should be repaired or replaced (contact your Staffy Scaffold Representative)
• Adjustable leg threads should be cleaned and lightly lubricated
• The Castor wheels and brake lever mechanism should be kept free of foreign objects (e.g. Stones etc.) and frequently lubricated with CRC/ W40 or similar
Before first use apply lubricant (CRC/W40 or similar) to brake lever mechanism and keep lubricated as ongoing maintenance. Lock adjustable castors and fit into rung frame and ladder frame (note, castors shafts are fitted with a spring clip to prevent it from dislodging the frame tube when tower/frame is lifted).

1

Clip horizontal brace (green) to the bottom of the rung frame with the claw facing outwards. The set up is now self supporting.

2

Clip the other end of the horizontal brace (green) onto both frames facing the claw outwards.

3

Clip diagonal braces (red) onto rungs as close to the frame upright as possible in opposite directions to form a zigzag pattern as shown. Adjust legs to ensure tower is plumb and level using a spirit level.

4
Position platform temporarily on the second rung of the frame and fit temporary horizontal braces (green) to form a handrail. If stabilizers are required fit them now to the corner of the tower. Tighten all wing nuts.

Add second storey frames by either lining ladder frames up or placing it on the opposite end. Secure frames with supplied spring loaded clips. Ensure that diagonal braces (red) carry over from first storey frame to second storey frame, interlocking the two.

Move platform to fourth rung of first storey framing and clip on diagonal braces (red) to continue the zigzag formation, ensuring that the zigzag on the other side runs the opposite way forming a criss cross when looking at the tower side on.

Always use horizontal bracing (green) for temporary handrail two rungs above the platform.

Erect further lifts as described in stages 5 and 6 until desired height is reached.

When required height is achieved make sure that the platform is located 3 rungs down from the top to allow for the use of four straight braces (green) to create a 1m safety rail around the platform.

When only using a 2m tower set then use diagonals (red) in criss-cross formation on both sides of the rung frame as opposed to zigzag running at opposite sides.

For more information and samples on how creative you can get with this scaffolding system please visit our homepage at www.staffy.co.nz