AUSTRALIAN SCAFFOLD

WORK SAFER - FASTER - SMARTER

Product/Service Information

Australian Scaffold can provide you with a complete range of solutions for temporary access - from simple internal access to stairway towers for public areas, stretcher/evacuation stairs, plus a vast variety of special stair solutions.

Australian Scaffold uses Layher stairway towers that are constructed using standard Layher Allround components (standards, ledgers, diagonals and decks) with only three additional components (stairway stringers, deck locking clamps and handrails). Normal handrails or childproof handrails can be used. Stair towers can be 10, 12 or 16 standard, depending on requirements. All Layher stairs meet Australian safety regulations.

STAIRWAY TOWER 750

Fulfils all regulatory requirements for public sites and is the only stair tower to comply with the Building Code of Australia. Even without harnesses this stair can be built without the risk of falling more than 2 metres. Constructed using standard Layher Allround components (standards, ledgers, diagonals and decks) with a few additional components (stairway stringers, deck locking clamps and handrails). Normal handrails or childproof handrails can be used. Stringers designed for steps 150cm in height. Stair width can be varied by using different width decks for treads (1.09m, 1.57m, 2.07m). 10, 12 or 16 standard stairway towers can be constructed, depending on requirements. Permissible load 16 standard 7.5 kN/m² with a stair width of up to 2.07m.

Australian Scaffold (Aust) Pty Ltd

71 Hobart Street, Riverstone NSW 2765

Phone: (02) 9627 1700 Fax: (02) 9627 1701

Email: info@australianscaffolds.com.au

Web: www.australianscaffolds.com.au

Australian Building Codes Board

3.9.1.1 Application

Compliance with this acceptable construction practice satisfies Performance Requirement P2.5.1, provided the stairs complies with the appropriate structural requirements of the *Housing Provisions.*

3.9.1.2 General Requirements

(a) Stairs serving habitable rooms, including external stairs must comply with **3.9.1.3** and **3.9.1.4**

(b) Stairs serving non—*habitable rooms* , such as attics, storerooms and the like that are not used on a regular or daily basis, must be constructed in accordance with-

(i) the provisions of this part; or

(ii) AS 1657.

3.9.1.3 Stair construction

Stairs must be constructed in accordance with the following:

(a) Each flight must have not more than 18 nor *less* than 2 *risers*

(b) The nominal dimension of *goings* and *risers* of a stair must be constant throughout each stair *flight* except that the *going* of *winders* in lieu of a quarter or half *landing* May vary from the *going* of the straight treads within the same flight provided that the *going* of all such *winders* is constant.

(c) Treads must be solid construction (not mesh or other perforated material) if the stairway is more than 10 m high or connects more than 3 storey's.

(d) A flight of *stairs* must not have more than 3 *winders* in lieu of each quarter *landing or* 6 *winders* in lieu of each half landing.

(e) The *riser* opening must not allow a 125mm sphere to pass through between the treads.

(f) ********

(g) Treads must have a slip resistant finish or a suitable non skid strip near the edge of the nosing's.

(h) *Landings* must -

(i) be not less than 750mm long and where this involves a change in direction, the length is measured 500mm from the inside edge of the landing ; and

(ii) have a gradient not steeper than 1:50; and

(iii) be provided where the sill of a threshold of a doorway opens on to a stair that provided a change in floor level or floor to ground level greater than 3 risers or 570mm .

Australian Standards to comply with:

AS/NZS 1576 part 1 to part 6

AS/NZS 4576

AS 1657