INSTALLATION INSTRUCTIONS

FOR THE SAFETY BOOT

TEMPORARY RAILING SYSTEM
Make sure each person reads and understands these instructions prior to use. The manufacturer and distributor assumes no liability in the event of improper installation, product misuse, or failure of wood construction substrate. DO NOT use the safety Boot if cracked or split.

Safety Boot Railing Systems enable the builder to easily construct free-standing guardrail and stair rail systems that meet OH&S Standards on every job-site.

**OH&S Requirements**

The Safety Boot System complies with AS/NZ4994.1-2010 and AS/NZ4994.3-2010. Safety Boot can withstand loads in excess of four times the Australian requirements without failure to the boot itself.

**The General/Prime Contractor is responsible for:**

assembling to OH&S standards, all of the various temporary railing systems mandated for different workplace situations.
ASSEMBLE POSTS

- Cut 90 x 35mm stud into two 1100mm lengths. **DO NOT** use wet or oversized timber.
- Fasten the lengths together with minimum 3 off 14G x 65mm screws or nails to form a post.
- Place one end of the post into the top of the Safety Boot and tap until the bottom of the post is flush with the bottom of the Boot.
- Be sure and anchor the Safety Boot to the post using two Hex-Head Coach Screws, M10 x 40mm with washers.

ANCHOR POSTS TO SURFACE

- Securely fasten Safety Boots to surface using four (4) specified fasteners.
- You MUST always use the correct fasteners for different types of flooring - to meet OH&S strength requirements refer to the **Fastener Specifications Section** on the inside back cover of this instruction book for your specific application.
- If in any doubt about which specific fastener to use, contact the supplier of the Safety Boot for more detailed information.

**DO NOT USE NAILS! Always use the correct fasteners!**
FASTEN RAILINGS TO SAFETY BOOT POSTS AND INSERT TOEBOARDS

- **For Stair rails, including Handrails**, top railings must be attached to the posts at approximately 1 metre. (*Height of railings shall be 900-1000mm from the upper surface of the stair rail system to the surface of the tread, in line with the face of the riser at the forward edge of the tread).*

- **For Guardrails, including Landings**, top railings must be flush with top of posts (1000mm).

- **For all Mid-rails**, fasten halfway between top railings and flooring.

- **Terminal (End) System**, always extend the railings past the posts and stop the railings 100mm from any permanent structure.
  
  **EXCEPTION**: Where there is no permanent structure, the ends of the rails must stop at the terminal post to prevent a projection hazard.

- **For Toeboards**, (required by OH&S), cut 150 x 45mm to fit tight between two posts and drop toeboard into slots on each Safety Boot. (Toeboards are not required on stair rails).
Stair rail must be minimum 900mm in height

- Railings should touch (top and mid) must be less than 100mm apart
- Set posts close; space between posts must be less than 450mm apart

Unprotected side or edge of permanent structure

Mid rail must be halfway between top rail and surface

Top rail - 90x45 F7 or better

Fasten stair rail at 1000mm in height

Maximum distance between posts 2.1m on centres

Stair rail must be 900mm in height

Fasten stair rail at 1000mm in height

Mid rail must be halfway

Top rail must be a minimum of 1000mm in height

Applies to Stair & Handrail Systems

Applies to Odd Angled Surfaces
Never remove top railings!

If materials are brought through Guardrail System, lift out toeboards and only remove mid-rails. Immediately replace when finished.

**Applies to Unprotected Sides & Stairway Landings**

**STEP 5**

**WHEN REMOVED**

- When removed, the post with Safety Boot attached, is ready for re-use at the next job site.
WARNING
Do not use nails or smaller sized screws to anchor safety boots.

FASTENER SPECIFICATIONS

WOOD / PLYWOOD (19mm thick or greater)
Each Safety Boot installed must use:
- 4 x Hex-Head Coach Screws, M10 x 40mm; and
- 4 x 10mm Bright Steel Washers
Anchor directly into subflooring or stair tread.

WOOD / PLYWOOD (Less than 19mm thick)
Each Safety Boot installed must use:
- 4 x Hex-Head Coach Screws, 10 x 75mm; and
- 4 x 10mm Bright Steel Washers
Anchor into floor joist or into two 45mm thick blocks on the underside of subfloor.

NOTE: It is often necessary to reinforce the subfloor around the anchored posts. Fasten with nails or wood screws to strengthen treads or subflooring.

PARTICLE BOARD FLOORING APPLICATIONS
When anchoring into particle board or other kinds of reconfigured board, use:
- 4 x Hex-Head Coach Screws, 10 x 75mm; and
- 4 x 10mm Bright Steel Washers
Anchor into floor joist or into two 45mm thick blocks on the underside of subfloor.

NOTE: It is often necessary to reinforce the subfloor around the anchored posts. Fasten with nails or wood screws to strengthen treads or subflooring.

CONCRETE APPLICATIONS
Each Safety Boot anchored into concrete must use:
- 4 x Masonry fasteners such as the 10mm x 60mm Powers Bluetip Screwbolt - (catalogue No. BT1060) or equivalent and;
- 4 x 12mm x 40mm Mudguard Washers

IMPORTANT: Verify that the fastener specifications for average ultimate pullout and shear values, and the fastener’s installation instructions meet the OH&S strength standards. More information may be obtained from Powers Fasteners Australasia Pty Ltd in your nearest capital city.

For ease of installation, use a power drill with a 16mm socket with adaptor.
FOR TECHNICAL SUPPORT OR TO REORDER IN AUSTRALIA OR NEW ZEALAND:

Simply contact your nearest authorised Safety Boot distributor.

Your local Safety Boot Distributor is:

6 Broadfield Road, Broadmeadows Victoria 3047

Phone: (03) 9357 4223
(International - 613 9357 4223)

Fax: (03) 9357 4244
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