

1. Objective and Scope

To describe how to safely install Saferoads 50mm Speed Hump.

2. Safety: Working on or beside a roadway is inherently dangerous.

3. Personal protective equipment (PPE)

The following is mandatory PPE.



Safety Boots (steel capped) with rubber soles.



Eye and hearing protection is compulsory



Use a dust mask when using compressed air for blowing drilled holes



Hi-Viz must be worn when installing product



Gloves must be worn when installing product



Hi-Viz Protective Clothing is to be worn

4. Equipment Required

- Compressor with air nozzle
- Epoxy and gun (refer SDS)
- Hammer drill and bits
- Small hand tools
- Industrial vacuum cleaner
- Traffic Mngt Equipment (if required)
- Generator

5. Qualifications and Competencies




- a) Safe use of hand tools;
- b) Manual handling; and Road traffic management.




6. Documentation and Setup

- a) Ensure that the selected installer provides a copy of Public Liability Insurance, WorkCover, SWMS and plant service records. (No documentation - no job).
- b) Contact Dial before you dig; if required (recommended);
- c) Ensure you are at the correct location and set up traffic control is to Australian Standards, or as advised and required by the client.



7. Installation

Step 1 – Position the speed hump	Step 2 – Fastening to pavement	Step 3 – Clean hole
		
<p>Position the Speed Hump on a clean road surface, as per site plan provided.</p>	<p>Using a drill with a 14mm masonry bit, drill 120mm deep holes through the designated points in the product</p>	<p>Using an industrial vacuum cleaner or air gun remove dust from each hole. Note: if using air gun be careful of airborne dust and stones.</p>

Step 4 – Epoxy	Step 5 – Insert nylon plug	Step 6 – Fastening
		
<p>Using epoxy and caulk gun, insert nozzle into each hole and insert epoxy. Saferoads recommends 3 caulks per hole.</p> <p>Note: the epoxy dries quickly in warm weather so it is important to cap the nozzle with cling wrap between uses.</p>	<p>Insert the nylon plug into each hole using a hammer.</p> <p>Note: be careful of splatter of any excess epoxy when hammering.</p>	<p>Quickly re-instate the segment into the correct position, lining up the fastener hole. Insert the coach bolt and hand tighten.</p> <p>Note: the epoxy can set hard quickly in warm weather making it difficult to screw in the coach bolt.</p>
Step 7 – Tighten fasteners	Step 8 – Final tightening	Step 9 – Clean worksite
<p>Using air compressor and a rattle gun or a drill with a 17mm socket, screw in the coach bolt, being careful not to tighten it all the way.</p> <p>Note: the coach bolt will rotate the plastic sleeve in the holes if over tightened mechanically. This will undermine the epoxy adherence to the side walls of the hole, rendering it ineffective..</p>	<p>Finish tightening coach bolts using a ratchet socket wrench with a 17mm socket.</p> <p>Note: ensure this step is completed quickly as the epoxy will set too hard preventing tightening of the bolt.</p>	<ul style="list-style-type: none"> • Sweep any excess dirt or debris from the site and collect any left-over parts • Housekeeping practices adhered to and worksite is left clean and safe; and • Items have been fitted correctly and safely. • Workmanship is to specification; • Materials quality is acceptable; • Unused materials are removed; and • Quality checks performed. • Surrounds are restored to prior condition; and • No spillage and/or damage to any soil, habitat, atmosphere or drainage.

SOP REVISION UPDATES

SOP Amendment Level		
Rev #	Date	Comment
7	22/11/2023	a. PPE Icons updated – No Revision change
7	20/01/2022	a. Review by Manager – Supply, Safety and Systems – No Revision change (format only)
7	9/10/2020	b. New Format
6	05/04/2018	a. Reference including Housekeeping / Revision Details