

# FLOWPLATE

## Directional Flow Plate

NMFP 04



### Product Information

600mm long x 490mm wide, each unit is 50mm in height the equivalent of a 5mph speed ramp 5 sprung cartridges per each unit

Each unit is bolted down by use of a tarmac fixing or concrete fixing dependant on the surface site; please see our product installation information.

The use of traffic control flow plates can be a strong deterrent against vehicles travelling in the wrong direction. Flow plates and directional ramps are typically fitted in car parks, airports and hospitals however they are beneficial where a one way system would be required.

Directional ramps use differing methods to deter traffic, directional ramps such as the ones advertised are highly visible with their High Density Polyethylene teeth with built in reflective studs provide the visual deterrent required to prevent traffic from travelling in the wrong direction. In addition the highly visible poly-coated outer steel casing stands out a mile.

### Benefits of these flow plates:

- Highly visible flow plate with red reflective studs
- Has second function as acting as a flow plate but also as a speed ramp so slow traffic down significantly
- Easily maintained as each cartridge can be simply removed and either sent in for replacement or replaced easily by the owner
- Highly sprung so works for years unlike other similar products
- Easy to install as they are surface mounted

For more information please feel free to call one of our highly trained specialists who will be able to advise you on the correct product. We offer free advice and will even assist in designing your road layouts if required.

**(Warning)** This product has not been designed to damage vehicles however travelling over the flow plate in the wrong direction may in some instances cause damage to your tyres.

### Installation

The product can be installed by using two methods of fixing a) surface mounted by bolting down with rubber expanding bolts or b) laying a concrete raft and fixing with anchor bolts.

### Asphalt surface mounting:

This method should only be used if the asphalt surface is older than 6 months and has a crust of asphalt depth of 50mm or greater. The benefits of using rubber bolts are that they offer a "dampening" effect when traffic passes over. Rubber fixing plugs have an outside diameter of 22mm and are 75mm in depth; the actual bolt size is an M12 x 100mm.



The product should be laid in desired location, drill hole area should then be marked out. All holes should be drilled prior installation, do not fit the product until all of the surface holes have been drilled out. Important note: The rubber plugs and fixing bolt should be fitted to the product prior being dropped into location. Once the bolts have been loosely fitted drop the entire unit into the pre-drilled holes, you will save hours of time!

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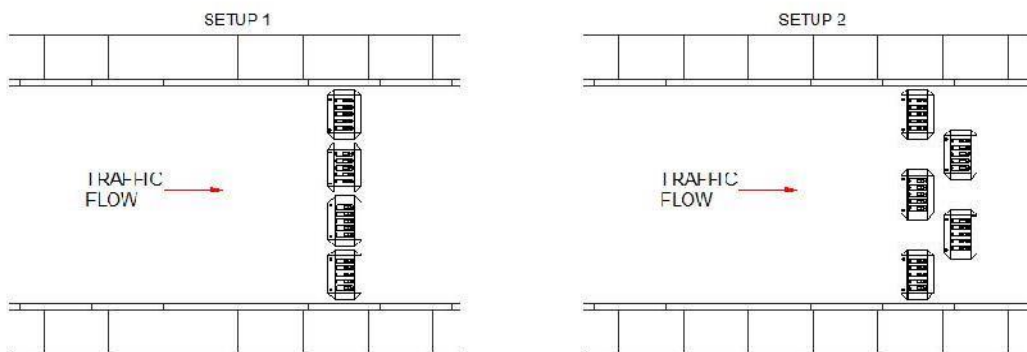
## Fitting a concrete raft:

This method should be used if the road surface is in poor condition, is newer than six months old or has a asphalt surface depth of less than 50mm.

A concrete foundation slab should be laid, reinforcing should not be used. Once the concrete has set the product should be fitted as per the diagram below.



**We strongly recommends the use of speed ramps and warning signage in conjunction with directional flow equipment.**



Quantity of flowplates is dependent on the width of the roadway, please ask our sales engineers for clarification.