

# FLOWPLATE

## Standard Flow Plate NMFP 03



### PRODUCT Information

The flow plate product offers a spring mechanism to keep the plate in the upright position; springs are replaceable and can be maintained easily. Our flow plates have rubber dampeners to reduce noise when traffic passes, thus are ideal in residential car parks. The flow plate product is surface mounted; therefore there is no requirement to carry out extensive civil works. It is easily installed by bolting to most surface types. As manufacturers, we have the flexibility to offer our customers bespoke options to the flow plates, if you are looking for the plate to bolt down allowing two directional flow of traffic please let us know and we will add this to your order. If you have a specific product colour in mind than again please talk to us about your flow plate requirements and we will happily oblige.

The standard flow plate is for use by cars and light commercial vehicles only, please note that this product is not suitable for HGV environments such as truck stops and the like for an HGV flow plate please see our range of HGV flow plate.

One important advantage they offer to multi-storey car parks is that they can now be installed on upper levels, as risk of damaging the damp membranes is substantially reduced. In cases like this rubber expanding plugs should be used to fit the product (rubber expanding fixings are priced separately).

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

### 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!



#### Fitting a concrete raft:

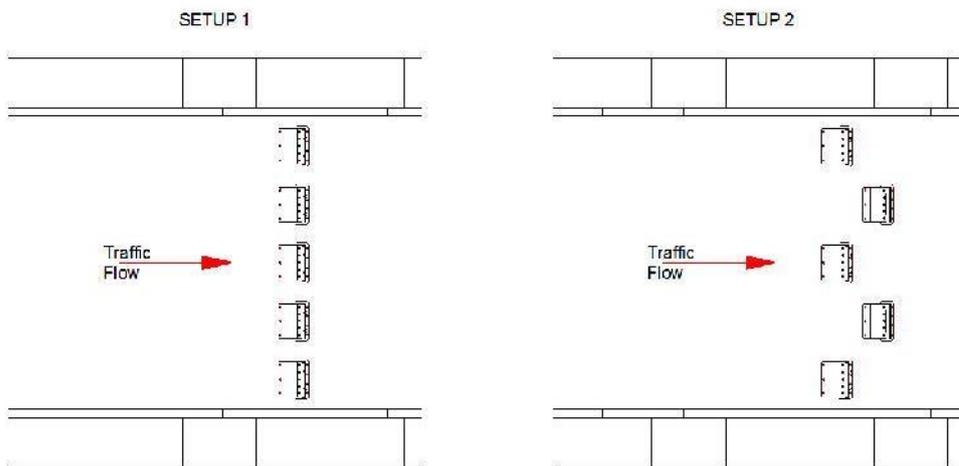
This method should be used if the road surface is in poor condition, is newer than six months old or has an asphalt surface depth of less than 50mm.

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.



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Recommended layout options:



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

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