

## The Use of Magnetic or Suction Mount Beacons on Moving Vehicles

The use of a magnetic or suction mount beacon on the roof of a vehicle in motion is not recommended and is at the sole discretion of the user.

Before using a magnetic or suction mount beacon on a moving vehicle, the following factors noted below should be considered. Each factor will, to varying degrees, contribute to the magnetic/suction adhesion being lost and the beacon becoming detached from the vehicle, posing a risk of death or injury to other road users.

- The higher the speed the vehicle is travelling, the greater the force that will be exerted on the beacon.
- Headwinds, crosswinds, turbulence from other vehicles and forces exerted when cornering, accelerating or braking may exert sudden unpredictable forces on the beacon.
- The surface condition of the vehicle roof due to the presence of water, ice or road contamination will compromise suction and reduce magnetic adhesion and will act as a lubricant that may cause the beacon to move.
- The use of rubber or neoprene magnet caps to prevent scratching of the vehicle roof will reduce magnetic adhesion.
- The thinner the gauge of metal used in the manufacture of the vehicle, the lower the magnetic clamping force available.

Prior to the supply of a magnetic or suction mount beacon, we ask that you sign and return this form to confirm you have read and understood the factors that may cause a magnetic/suction mounted beacon to become detached from a moving vehicle.

**For more information or advice, please contact Woodway Engineering on 02476 841750.**

I confirm I have read and understood the factors that may cause a magnetic/suction mounted beacon to become detached from a moving vehicle.

Name ..... Signed .....

On behalf of ..... Dated .....