

STIMSONITE[®] Road Studs

The World's Best Known Road Markers

Road studs are integral to traffic safety at night on our roads. This is especially true when conditions are wet as well as dark. In wet conditions, standard road markings can be totally obliterated by surface water (for details of high performance wet/night markings, please see our Road Markings brochure). In this situation, raised profile road studs are often the only remaining form of guidance for drivers.

It is therefore imperative that studs retain a high level of long term retro-reflectivity, whilst providing excellent adhesion to the road surface.

Stimsonite[®] is a name synonymous with quality and performance in the road stud industry. Today's models are the culmination of development and innovation dating back to 1964, and have been the stud of choice across many roads in Europe and the USA.





Introduction

For over 45 years, Stimsonite® has been at the forefront of road stud innovation, pioneering developments such as the “snow-ploughable” road stud. Stimsonite® products represent innovation and quality that motorists and road engineers alike have come to know as a familiar part of the road infrastructure.

Stimsonite® road studs:

- Enhance safety by supplementing pavement marking systems for greater delineation and a prismatic design for greater retro-reflectivity
- Provide audible warnings for distracted drivers
- Are durable - providing high impact resistance, rugged performance and retained retro-reflectivity in all weather conditions over time
- Provide delineation to drivers under adverse conditions



Performance

Stimsonite® road studs have proved in trials and installations to hold 100% retention; above and beyond the usual standards for road marker performance. Made from hard wearing and high performance injection moulded polymers and glass facings, Stimsonite® products are made to withstand the toughest conditions on today’s heavily trafficked roads.

Design innovations include a patented groove formation on the underside of the marker, resulting in superior bonding performance to the road surface. Our patented prismatic reflective lenses mean that Stimsonite® road studs are able to reflect light back to approaching traffic at up to 800 mcd/lux/m², (retained retro-reflectivity after abrasion test under ASTM D4280-05 standard) and provide clear route delineation at night, in wet or dry conditions.



Product Benefits

Stimsonite® pioneered snow-ploughable road studs over 30 years ago, bringing a critical safety system to snow climate markets. Time proven and effective, these markers provide safe delineation to drivers in the most adverse weather conditions.

- Two way snow-ploughable road markers can provide retro-reflectivity from linear distances over 300m away and retain specific intensity values above 150 mcd/lux/m², providing continual guidance for the motorist in all weather conditions
- Low ramp angles, narrow design, rounded corners and smaller impact areas to lessen damage from snowploughs, and increase reflector longevity
- Low installation and maintenance costs allow economic replacement for added safety
- Each road stud sits recessed inside a hardened iron casing, designed to protect it from the blade of the snow plough. The design is compatible with all Stimsonite® reflective snow-ploughable road markers



Product Range

Milled Road Stud



Model 381/C80

- Hardened cast iron housings designed to withstand all climate conditions
- Ramp angles engineered to protect reflectors from snow ploughs and other vehicles
- Abrasion resistant lens coating providing enhanced retained retro-reflectivity
- Inserts available in a wide selection of colours

Snow Ploughable Road Stud



Model 101

- Hardened cast iron housings designed to withstand harsh conditions
- Ramp angles engineered to improve plowability and decrease reflector damage
- Abrasion resistant coating on glass lens provides enhanced retained reflectivity
- Advanced optics deliver high reflectivity and durability
- Inserts available in a wide selection of colours

Surface Mounted Road Studs



Model 980 White



Model 980 White/Red



Model 980 Yellow



Model 980 Yellow/Red

- Patented sure grip base providing excellent adhesion to road surface
- Injection moulded from durable polymers to endure high traffic volumes
- Patented prismatic glass lens providing high, long-term levels of enhanced retro-reflectivity



Model 980 Red



Model 980 Green



Model 980 Blue



Company Overview

Markon is a specialist contractor servicing a variety of different industries, e.g. Car Parks, Highways, Airports, Industrial and Architectural Landscaping.

Markon offers a one stop shop facility from specifying a product to suit your application to final installation. Markon believes you will achieve successful project completion by providing expertise in the following areas:

- **Consultation - Establishing requirements**
- **Technical Advice - Appropriate system to suit your needs**
- **Site Survey - Ensuring all project needs considered**
- **Installation - Within chosen time frame**
- **Technical Support - Ongoing**

Markon carries out stud installation and marking works to roads, parking, airfields and harbours throughout Scotland.

Our experience and capabilities are acknowledged throughout the construction industry. We have broad experience in the application of specialist surfaces that can be applied to delineate speed restriction, bus lanes, cycle paths or any other highlighted surface.

Notes:



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